Samsung GALAXY Note® 3

ANDROID SMARTPHONE

User Manual
Please read this manual before operating your phone and keep it for future reference.

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Samsung Telecommunications America (STA), LLC

Headquarters:
1301 E. Lookout Drive
Richardson, TX 75082

Customer Care Center:
1000 Klein Rd.
Plano, TX 75074
Toll Free Tel: 1.888.987.HELP (4357)

Internet Address:
http://www.samsung.com

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Section 1: Getting Started

Understanding this User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 269.

Also included is important safety information beginning on page 254, that you should know before using your device.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the device. For more information, see *"Securing Your Device"* on page 15.

Note: Instructions in this manual are based on default settings, and may vary from your device, depending on the software version on your device, and any changes to the device's Settings.

Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your device and any changes to the device's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature or menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your device.

Text Conventions

This manual provides condensed information about how to use your device. To make this possible, the following text conventions are used to represent frequently-used steps:

→ Arrows are used to represent the sequence of selecting successive options in procedures. For example:

"From the Home screen, touch **Apps** → **Settings** → **Wi-Fi**."

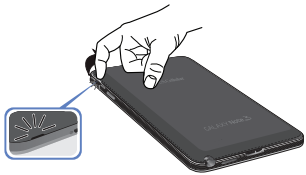
Many settings use an On/Off switch. Touch the On/Off switch to turn a setting On or Off. This graphic is used to represent the On/Off switch.

Setting Up Your device

Install the 4G LTE SIM (Subscriber Identity Module) card, battery, and optional memory card, then charge the battery to begin using your device.

Back Cover

The battery, SIM card, and optional memory card are installed under a removable cover on the back of the device.



Removing the battery cover

- Pull up using the slot provided, while lifting the cover off the device.

Installing the battery cover

- Align the cover and press it firmly into place, making sure it snaps into place.

Note: The battery cover is flexible. Take care to avoid bending or twisting the cover when removing and installing, to prevent damage to the cover.

SIM Card

Your device uses a 4G LTE SIM (Subscriber Identity Module). The 4G LTE SIM is a small, rectangular plastic card that stores your phone number, information about your wireless service, and other information such as messages.

If you purchased your device at a US Cellular store, the SIM card is activated and ready to use. If you ordered a new device, the card may need to be activated before you can use it.

Caution! Turn the device off before installing or removing the SIM card. Do not bend or scratch the SIM card. Take care when handling, installing, or removing the SIM card, and avoid exposing the SIM card to static electricity, water, or dirt. Keep the SIM card out of reach of small children.

Installing the 4G LTE SIM Card

1. Remove the back cover.
2. With the logo facing up, carefully insert the 4G LTE SIM Card into the slot, pressing gently until it locks into place.
3. Install the back cover.

Removing the 4G LTE SIM Card

1. Turn off the device, then remove the back cover.
2. Press the 4G LTE SIM Card in gently to release the lock, then carefully slide the 4G LTE SIM Card out of the slot.
3. Install the back cover.

Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the device, for charging the battery.

The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The battery icon in the Status Bar shows battery power level. Before the battery becomes too low to operate, the battery icon flashes and a tone plays. If you continue using the device without charging, the device will power off.

Tip: Task Manager provides helpful information about extending battery life. For more information, see *"Task Manager"* on page 17.

Installing and Removing the Battery

Installing the battery

1. Remove the battery cover.
2. Insert the battery into the device, aligning the gold contacts on the battery with the gold contacts in the device.

3. Replace the battery cover.

Removing the Battery

1. Remove the battery cover.

Caution! Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

2. Lift the battery up and out of the device, using the slot provided.

3. Replace the battery cover.

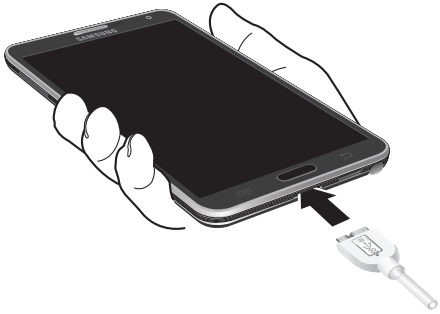
Charging the Battery

Your device is powered by a rechargeable Li-ion battery. The USB 3.0 cable that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Note: The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

1. Insert the USB cable into the port.



2. Connect the USB 3.0 cable to the charging head, then plug the charging head into a standard AC power outlet.
3. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the device.
4. If you are using the older style USB 2.0 cable to charge the battery, plug the flat end of the cable into the port on the right side as shown.

Important! You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Warning! Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 256.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

Memory Card

Your device supports optional, removable, microSD™ or microSDHC™ memory cards of up to 64GB capacity (not included), for storage of music, pictures, and other files.

For more information about using memory cards, see *"Memory Card"* on page 165.

Installing a Memory Card

1. Remove the back cover.
2. With the gold contacts facing down, slide the memory card into the slot, pushing gently until it locks into place.

3. Install the back cover.

Removing a Memory Card

Important! To prevent damage to data stored on the memory card, unmount the card before removing it from the device.

1. From the Home screen, press **Menu**, then touch **Settings** → **Storage** → **Unmount SD card**.
2. At the prompt, read the warning and select **OK** to continue. Wait for **SD card safe to remove** to display in the Status bar and Notifications.
3. Remove the back cover.
4. Gently press on the memory card to release the lock, then carefully pull the card out.
5. Install the back cover.

Turning the Device On and Off

Turning the Device On

- Press and hold the **Power/Lock Key** until the device vibrates and starts up.

Turning the Device Off

1. Press and hold the **Power/Lock Key** until the device vibrates and the Device Options menu displays.
2. At the prompt, tap **Power off**.

Securing Your Device

Use your device's screen lock features to secure your device.

Note: Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

To set a personal screen lock, use the Screen lock option under Security settings. For more information, see *"Screen lock"* on page 198.

For other settings related to securing your device, see *"Security"* on page 227.

Locking and Unlocking the Device

To unlock your phone:

1. By default, the device locks automatically when the screen times out.
2. Press the **Power/Lock** key, then swipe the touch screen in any direction to unlock the device.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Lock Screen"* on page 198.

Your Google Account

Your new device uses your Google account to fully utilize its Android features, including Gmail, Google Talk and the Play Store. When you turn on your device for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your device, use Accounts and sync settings (see *"Accounts"* on page 52).

Your Samsung Account

Create a Samsung account, for access to Samsung apps on your device, including Media Hub, Music Hub, and AllShare Play. For more information, see *"Accounts"* on page 52.

Help

Get information about using your device, including videos, useful tips, and other information.

- From the Home screen, touch **Apps** ➔ **Help**.

Your Phone Number

- From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **About device** ➔ **Status**.

  Your phone number displays in the My phone number field.

Voice Mail

All unanswered calls to your device are sent to voicemail, even if your device is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your device.

For more information, see *"Voicemail"* on page 84.

TTY Mode

Your device is TTY-compatible, allowing you to connect a TTY device to the device's headset jack. Before you can use your device with a TTY device, you'll need to enable TTY Mode.

For more information about enabling TTY mode, see *"Call Settings"* on page 69.

Roaming

When you travel outside your home network's coverage area, your device can use roaming to acquire service on other compatible digital networks.

Tip: You can set your device's roaming behavior. For more information, see *"Mobile networks"* on page 188.

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls, connecting to the Internet, or using data services. Contact Verizon Wireless for more information about your coverage area and service plan.

Task Manager

Your device can run apps simultaneously, with some apps running in the background. Use Task Manager to see which apps are running on your device, and to end running apps to extend battery life. You can also uninstall apps from your device and check memory usage.

1. From any unlocked screen, press and hold the **Home Key**, then select **Task manager**.
2. Touch the **Active applications** tab to view apps running on your device. Touch **End**, or **End all** to close apps.
3. Touch the **Downloaded** tab to view information about apps you've installed on your device. Touch **Uninstall** to remove an app from your device.
4. Touch the **RAM** tab to display the amount of RAM (Random Access Memory) in use. Touch **Clear memory** to clear processes to increase available RAM.
5. Touch the **Storage** tab for internal system storage and SD card memory statistics.
6. Touch the **Clear defaults** to clear applications that launch by default.

Tip: Touch and drag your finger on the tabs to scroll the tabs.

Section 2: Understanding Your Device

Features

- Touch screen with virtual (on-screen) QWERTY keyboard
- Brilliant 5.7" HD Super AMOLED® screen (1920 x 1080)
- 1.9 gigahertz quad-core processor
- Delivering data speeds faster than the current 3G network technology by using 4G LTE and High Speed Packet Access Plus (HSPA+).
- Android 4.3, Jelly Bean Platform
- USB 3.0 connector for fast transfer speeds
- Galaxy Gear™ compliant. For a list of compatible smartphones, please visit: www.samsung.com/us/galaxygearsupport.
- Smart Switch™ compliant. For more information, see www.samsungsmartswitch.com
- Support for Air View® and Air Gestures®.
- S Pen functionality
- Wi-Fi ® Capability
- WatchON® – Rich TV experience with Infrared (IR) remote
- Apps available to download from the Google Play™ Store and Samsung Apps
- Access Movies, TV Shows, Music, Games, and Books with Samsung Hub™
- Samsung Link™ to share your media content across connected devices. Cloud connectivity is enabled via the use of an external Web storage service
- Compliant with AllShare Cast Hub®
- 13 Megapixel camera and camcorder with 2 Megapixel Front Facing camera
- Share Shot picture sharing functionality, Camera sharing via multi-connect Wi-Fi Direct connection
- S-Beam file transfer technology
- Bluetooth enabled
- NFC-compatible
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging and Google Hangouts™
- Corporate and Personal Email
- Music Player with multitasking features

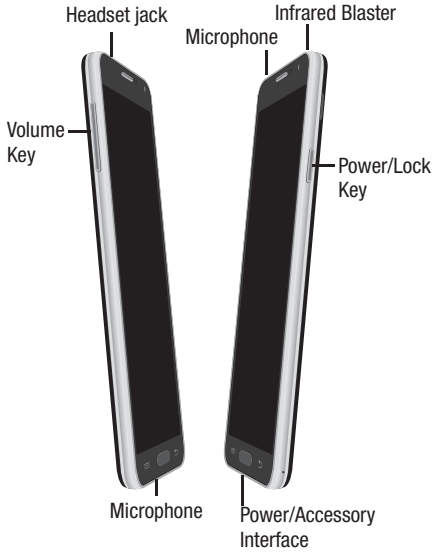
- Pre-loaded e-reader applications such as: Play Books™ and Play Magazines™
- Assisted GPS (Google Navigation)
- Webkit-based browser
- Expandable memory slot - supports up to 64GB microSD
- Mobile HotSpot and USB Tethering-capability
- Video Chat via Google Hangouts
- Google Play™ Music
- Wi-Fi ® Calling via the use of a micro SIM card
- HD Video Player 1080p
  – Codec: MPEG4, H.264, H.263, VC-1, WMV7/8, VP8, MP43
  – Format: 3GP (MP4), WMV (ASF), AVI, and DivX
- Video Player support for PIP (Picture in Picture) viewing
- DivX Certified® to play DivX® video up to HD 720p, including premium content

Front

1. **External speaker**: allows you to hear the caller.

2. **LED Indicator**: illuminates with a series of distinct colors and flashing patterns to indicate different notifications and statuses.
3. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
4. **Primary shortcuts**: allows quick access to important features such as Phone, Contacts, Messages, Internet, and Apps.
5. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messages, and Internet.
6. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Recent apps, Task Manager, and Google Search. Quickly press twice to activate the S Voice application. In Idle mode, press the Home key to display My Magazine.
7. **Back key**: allows you step backwards when navigating a menu or web page.
8. **Google Quick Search bar**: a shortcut to Google Search that allows you to search for items on the internet.
9. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
10. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
11. **Gestures Sensor** used to detect Air View and Air Gesture motions.
12. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.

Side



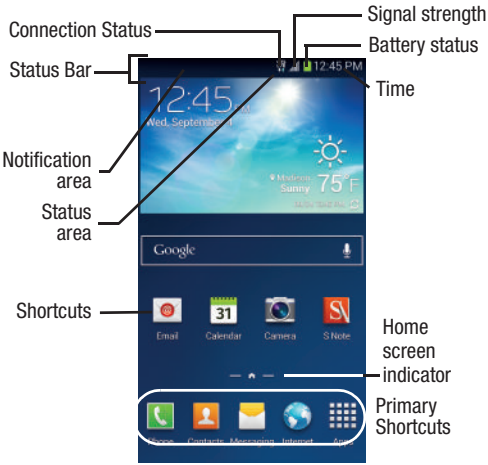
1. **3.5mm Headset jack**: allows you to plug in headphones.
2. **Volume**: From the Home screen, press to adjust master volume. During calls or media playback, press to adjust volume. Press to mute the ringtone of an incoming call.
3. **Microphone**: allows other callers to hear you when you are speaking to them. It is also used for the Speakerphone.
4. **Power/Accessory Interface**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
5. **Power/Lock**: Press and hold to turn the device on or off, and to access a device options menu. Press to lock the device, or to wake the screen for unlocking.
6. **Infrared Blaster**: Used to emit infrared signals used for controlling external devices.
7. **Microphone**: used for noise cancellation and stereo recording.

Back

1. **Camera lens**: is used to take pictures and shoot videos.
2. **S Pen**: a stylus that assists you in performing different functions.

Home Screen

The Home screen is the starting point for using your device and provides a wealth of information about the device's status and options as well as access to application icons.



Status Bar

The Status Bar shows network and battery status and other details, including these common icons.

Airplane Mode Active: All wireless communications are disabled. See *"Airplane mode"* on page 186.

USB Connected: The device is connected to a computer using a USB cable. For more information about transferring data between your device and a computer, see *"Transferring Data"* on page 164.

USB 3 Connected:Displays when the device detects an active USB 3.0 connection and is enabled for USB 3.0 communication.

Voice Call: A voice call is in progress.

Speakerphone: Speakerphone is enabled.

Missed Call: Displays when there is a missed call.

Mute: Voice or playback volume is muted.

Battery Level: Shown fully charged.

Battery Charging: Battery is charging.

Device Power Critical: Battery has very little power remaining. Charge immediately.

GPS Location Active: One or more GPS location services are active. See *"Location services"* on page 187.

Missing SIM: No SIM is installed.

No Network: No wireless network is available.

3G connection: device is active on a 3G system. The arrows are colored when data is being transferred.

4G LTE Connection: device is active on a 4G LTE system. The arrows are colored when data is being transferred.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

Signal Strength Roaming, Open: Current signal strength, when the device is roaming. The greater the number of bars, the stronger the signal.

Signal Strength Roaming, CDMA: Current signal strength, when the device is roaming on CDMA networks. The greater the number of bars, the stronger the signal.

Wi-Fi Active: Wi-Fi is active, and connected to a Wi-Fi network. The greater the number of rays, the stronger the signal. The arrows are colored when data is being transferred. For more information about configuring Wi-Fi, see *"Wi-Fi"* on page 168.

Wi-Fi Action Needed: Action needed to connect to Wi-Fi network. For more information about configuring Wi-Fi, see *"Wi-Fi"* on page 168.

New Message: You have new message(s).

New Voicemail: You have new voicemail. A number indicates the number of new messages.

New Email Message: You have new email.

Download Successful: A file was downloaded successfully.

Update Available: An update is available for an installed app.

Update Successful: An update was installed for an app.

Alarm: An alarm is set.

Silent mode: All sounds except media and alarms are silenced, and Vibrate is not active.

Vibrate: Vibrate Silent mode is active.

Music Playing: Music is playing, but the app is in the background. You can control playback from Notifications, or from Music player.

Music Paused: Music playback is paused. You can control playback from Notifications, or from Music player.

SD Card Ready: A memory card scan is underway, to prepare the card for use. For more information about using memory cards, see *"Memory Card"* on page 165.

SD Card Safe to Remove: A memory card was unmounted, and it is safe to uninstall it. For more information about using memory cards, see *"Memory Card"* on page 165.

SD Card Removed: A memory card was uninstalled. For more information about using memory cards, see *"Memory Card"* on page 165.

Bluetooth Active: Bluetooth is turned on. For more information, see *"Turning Bluetooth On or Off"* on page 172.

Bluetooth Paired: Your device is paired with another Bluetooth device. For more information, see *"Pairing with a Bluetooth Device"* on page 172.

- **Notification area** displays those icons associated with end-user notifications such as: email messages, calls (missed, call in progress), new voicemail, upcoming event, USB connection, Emails, and Text/MMS messages.
  - These notifications display at the top-left of the screen (within the Status bar area) and display important user information.
  - This information can be accessed by swiping down from the Status bar (page 27).
- **Status area** displays those icons associated with the status of the device such as communication, coverage, Bluetooth, 4G/3G, Wi-Fi communication, battery levels, GPS, etc.
- **Home Screen** is a customizable screen that provides information about notifications and device status, and allows access to application Widgets.
- **Extended Home Screens** extend beyond the current visible screen width to provide more space for adding icons, widgets, and other customization features.
  - There are six available extended screens (panels) each of which may be populated with its own shortcuts or widgets. These screens share the use of the five Primary Shortcuts.
  - The current screen is indicated at the bottom by a white square. Up to seven (7) total screens are available.

Note: Both the status bar and primary shortcuts are visible across all screens.

- **Google search** is an on-screen Internet search engine powered by Google™. Tap to access the Voice Actions feature where you can verbally enter a search term and initiate an online search.
  - Tap (**Voice Actions**) to launch the function from within this Google widget.
- **Widgets** are self-contained on-screen applications (not shortcuts). These can be placed onto any of the available screens (Home or extended).
- **Shortcuts** are icons that launch available device applications such as Camera, YouTube, Contacts, Phone, Email, Play Store, etc. These function the same as shortcuts on your computer.
  - Although some may already be found on the Extended Home screens, the majority can also be found within the Applications screens.
  - The Application screens can be accessed by tapping **Apps** from the Primary shortcuts area.
  - Shortcuts can be removed from a screen and added back any number of times.
- **Primary Shortcuts**: are four shortcuts present throughout all of the available screens and can be used to both navigate within the device or launch any of the following functions:

As you transition from screen to screen, a screen indicator (located at the bottom) displays the currently active panel.

Home Screen Menu Settings

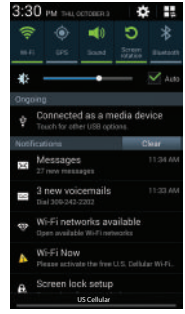
When on the Home screen, press **Menu** and then select any of the following menu options:

- **Add apps and widgets** allows you to quickly access the Widget tab where you can then drag a selected widget to an available area on a selected screen.
- **Create folder** allows you to create on-screen folders to help organize files of application shortcuts.
- **Set wallpaper** allows you to assign the current wallpaper for the Home screen, Lock screen, or Home and lock screens. Choose from Gallery, Live wallpapers, or Wallpapers.
- **Edit page** allows you to add or remove extended screens from your device. You can have up to six extended screens (one Home screen and six Extended screens).
- **Settings** provides quick access to the device's settings menu.
  - The Settings menu can also be accessed by pressing **Menu** and then tapping → **Settings**.
- **Help** displays the on-screen Help application.

Notification Bar

The Notification area indicates new message events (data sync status, new messages, calendar events, call status, etc). You can expand this area to display the Notification screen that provides more detailed information about the current on-screen notification icons.

1. Touch the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel (1).
2. Tap a notification entry to open the associated application (2).



Clearing Notifications

1. In a single motion, touch and drag the Status bar down to the bottom of the screen to open the Notifications panel.
2. Tap **Clear**. The notifications are cleared from the panel.

Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Set wallpaper**: For more information, refer to *"Wallpaper"* on page 199.
- **Add apps and widgets Shortcuts**: For more information, see *"Primary Shortcuts"* on page 46. For more information, see *"Widgets"* on page 46.
- **Add Folder**: For more information, see *"Folders"* on page 47.
- **Add Page**: For more information, refer to *"Adding and Deleting Screens"* on page 28.
- **Change the Wallpaper**: For more information, refer to *"Wallpaper"* on page 199.
- **Display settings**: For more information, see *"Display Settings"* on page 195.

Adding and Deleting Screens

Your device comes with 6 Home screen panels. You can customize the Home screen to include up to the seven default panels.

1. From the Home screen, press **Menu** ➔ **Edit page**.
2. Slide your finger across the screen to scroll the panels, and use these controls to configure panels:

Remove: Touch and hold on a panel, then drag it to **Remove**.

Add: Touch a previously-removed panel to add it, up to the default total of seven.

Set as Home: The panel set as Home will display when you press the **Home Key**.

Tip: Pinch the Home screen to display Edit options.

Assigning a New Home Screen

1. From the Home screen, press **Menu** and then tap **Edit page**.
2. Tap . The new Home screen then indicates this (**Home screen**) icon at the top of the selected screen.

Managing Shortcuts

Moving a shortcut to a new location

1. Touch and hold the shortcut, then drag it to the edge of the screen.
2. As the shortcut turns light blue, move it to the next panel.

Tip: You can also delete a shortcut from its current location, scroll to the new screen, then add the selected shortcut.

Adding and deleting a shortcut

1. From the Home screen, select a screen location for your new shortcut by scrolling across available screens until you reach the desired panel.
2. Tap **Apps** to display available applications.
3. Scroll to the new panel.
4. Touch and hold the icon. The new shortcut displays and hovers over the screen.
5. Position the icon and then release it to lock the shortcut into the new position.

Tip: You can also add a shortcut using the Add to Home screen. From a Home screen panel, press and hold an empty area of the screen, then tap **Apps and widgets** > **Apps**, and select an App to place in the new position.

Navigation

Navigate your device's features using the command keys and the touch screen.

Warning! Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, see *"Warranty Information"* on page 256.

Command Keys

Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press **Home** to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

Back Key

Press **Back** to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Pan

Touch and hold on the screen, then move the device in a side-to-side motion.

- **Pan to move icon**: When this setting is On, moving the device in a panning motion (side-to-side) moves a highlighted icon to a new location on the Home screen.
- **Pan to browse images**: When this setting is On, moving the device in a panning motion while viewing an image moves focus around in the image.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Gestures

Your device recognizes motion, to allow you to navigate and access features by moving the device in specific gestures.

To use gestures, enable the Motion settings. For more information, see *"Motions and Gestures Settings"* on page 211.

Pick Up or Turn Over

Lift the device, or place the device screen-down, on a horizontal surface, such as a table.

- **Direct call**: When this setting is On, you can lift the device to your ear to call a displayed contact in Messaging, Contacts, or Recent calls to dial the contact's device number.
- **Smart alert**: When this setting is On, the device will automatically notify you to missed calls and alerts that occurred while the device was stationary.
- **Turn over to mute/pause**: When this setting is On, turning the device screen-down automatically mutes incoming call ringtones and alerts sounds.

Tilt

Touch and hold with your thumbs on the screen, then tilt the device forward and back to zoom in or out.

- **Tilt to zoom**: When this setting is On, tilting the device while in Gallery or Internet causes the screen to zoom in or out.

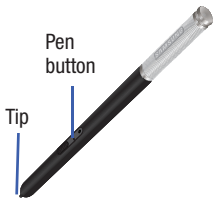
Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

S Pen

Create and collaborate with S Pen.



1. **S Pen tip**: the tip of the S Pen is used for tapping the screen.
2. **S Pen button**: by pressing the S Pen button, you can add functionality to the S Pen. For more information, refer to *"Rich S Pen Functionality"* on page 32.

Rich S Pen Functionality

- **S Pen Input**: When the S Pen hovers over an input area, selecting the (**Handwriting Input**) provides an on-screen Handwriting Area.
- **Air Button**: S Pen provides a fast experience in performance by showing a menu via the Air Button interaction for different applicable contents.
- **Air Command**: Once removed from its slot, S Pen shows an on-screen Air Command button toolbar that allows you to quickly activate frequently used applications or actions. Just hover over any screen and press the S Pen button.
- **Action Memo**: Located within the Air Command toolbar, allows you to quickly link short notes to applications like Phone, Contacts, Messages and so on.
- **Smart Clip**: Instantly outline and crop anything on the screen and freely edit or share with others via several applications.
- **Express yourself**: Write/Draw directly into an email, or the calendar, annotate Word, Excel, PowerPoint, and PDF documents, capture your ideas in S Note, write a note on the back of the picture.

Removing S Pen

S Pen stores inside your device, for convenient access.

- Slide S Pen from the device using the notch on the end of the S Pen.

Using the S Pen

You can perform a variety of functions using the S Pen.

S Pen Settings

Configure S Pen settings, including options for sounds and for tracking S Pen when it's not stored in your device.

For more information about S Pen, and to configure settings, touch **Apps** ➔ **Settings** ➔ **Controls** tab ➔ **S Pen**, or see *"S Pen Settings"* on page 210.

Take a Screen Shot using S Pen

1. Grasp the pen and press the Pen button.
2. Press the S Pen button and then touch and hold the screen for two seconds.

   Files save in the **Apps** ➔ **My Files** ➔ **Device storage** ➔ **Pictures** ➔ **Screenshots** folder. You can also locate screen captures in the Gallery in the **Screenshots** album.

Handwriting

1. Launch an application that contains an input area (ex: Messages, Calculator, or Dialer Keypad.)
2. Hover the S Pen over an input area until Handwriting Input displays, then tap the icon to display a new handwriting area. Enter your input (text or numbers). Your device recognizes the handwriting.

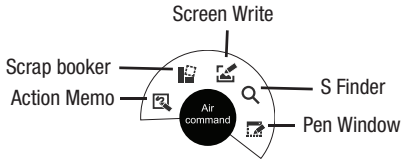
Air Button

The S Pen displays a menu using the Air Button interaction for different applicable contents.

1. Launch an application that contains an attachment or a selection field.
2. Press and hold the S Pen button to display some of the most used items, contents, or text strings.
3. Make a selection.

Air Command Toolbar

The S Pen displays an Air Command button toolbar that allows you to quickly activate frequently used applications or actions.



Using Action Memo

1. Hover the S Pen over the screen and press the S Pen button.
2. From the Air Command menu, select Action Memo.
3. Enter text and numbers on the displayed page.
4. Select **Select content**, circle the content, and from the toolbar, select an available option.
5. The new content copies into the selected application.

Using Smart Clip

Outline and crop images displayed on the screen in any shape to share or paste with Smart Clip. Select the desired image, you can edit the cropped content, or personalize with handwriting.

Take a screen capture:

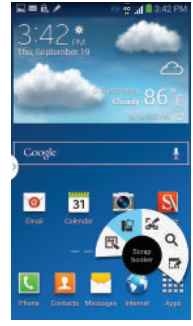
These steps allow you to capture a selected area of a screen based on outlining an area on the screen using the S Pen.

1. Press and hold the **S Pen button**, and then quickly draw a free-form enclosed shape on the screen to select the area to capture.
   The captured image displays.

Important! The shape you draw must start and end at the same point in order to close the shape.

2. Select a destination for the newly captured image from the bottom of the screen. Tap one of the following options: Scrapbook (creates a scrapbook folder in your S Note application), Email, Messages, ChatON, Add to Dropbox, Bluetooth, Evernote - Create Note, Flipboard, Gmail, Google+, Hangouts, PEN.UP, Picasa, S Note, or Wi-Fi Direct.

Using Scrapbooker



1. Navigate to the target as a Youtube video, document, or image.
2. Hover over the screen and press the S Pen button.
3. From the Air Command menu, select Scrapbooker.
4. Press and hold the **S Pen button** then draw a freeform enclosed shape on the screen.

5. Select the Scrapbook option. The image copies onto the clipboard.
6. From the top drop-down menu, select the target scrapbook in which to place the current selection.
7. Enter a memo and tag to assign or attach to your selection.
8. Tap **Done**.

Using Screen Write

1. Hover over the screen and press the S Pen button.
2. From the Air Command menu, select (**Screen Write**).
3. The current on-screen elements are shot and then displayed as an editable image.
4. Tap to open the Pen settings menu and adjust the pen color and thickness.
5. Begin to write on the image and tap (**Save**) to store the new image.

Using Pen Window

This feature allows you to draw an on-screen window and then populate the drawn area a target application,

6. Hover over the screen and press the S Pen button.
7. From the Air Command menu, select **Pen Window**.
8. Locate an on-screen area and use the S Pen to draw out a rectangular shaped window.
9. Select an available application. The app displays in the area drawn.

Action Memo

Launch S Note Lite from any screen to take quick notes or jot down ideas. Press the S Pen and hover it over the screen until Quick Finder displays, then tap Action Memo.

Tip: You can also hold the S Pen button and double-tap the screen to open Action Memo.

Air View

S Pen provides a fast experience in performance with new UI element by showing a menu via air button interaction for different applicable contents. For example, while writing a message, hover the S pen over the attachments icon and thumbnails of your latest media items display. You can tap on one of the media items to add as an attachment. Hover over the Enter message field and a list of recently copied text selections in applicable input field areas displays. Select copied text to add to your message.

For more information about Air View, and to configure settings, touch **Apps** ➔ **Settings** ➔ **Controls** tab ➔ **Air view**, or see *"Activating Air View"* on page 212.

Motions and Gestures

By activating the various motion and gesture features in this menu, you can access a variety of time saving functions.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap **Apps** ➔ **Settings** ➔ **Controls** tab. When tapped, each entry displays a tutorial.

- From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab.
  - **Air gesture**: allows you to control your device by performing motions above the sensor (without touching the device).
  - **Air view**: displays helpful information when you hover your finger over the screen.
  - **Air command**: allows you to activate or deactivate the Air command function that displays once you remove the S Pen from its internal slot.
  - **Motions**: allows you to control your device using natural movements (on the screen).
  - **Palm motion**: allows you to control your device by touching the screen with your entire hand.
  - **Smart screen**: allows you to control your device by using intelligent face detection features such as: Smart stay, Smart rotation, Smart pulse, and Smart scroll.
  - **Increase touch sensitivity**: allows you to increase the screen's touch sensitivity.

For more information, refer to *"Motions and Gestures Settings"* on page 211.

Using Gestures

By activating the various gesture features within the Motion Settings menu, you can access a variety of time saving functions.

To activate motion:

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** ➔ **Motions**.
2. Tap the ON/OFF icon ON located at the top of the screen to activate motions.
3. Tap the checkboxes located to the right of each motion option to activate the motions you wish. A checkmark displays.

Caution! Excessive shaking or impact to the device may cause unintended results.

The following is a description of the available gestures:

- **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
- **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
- **Zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out.
- **Browse an image**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.
- **Mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.

For more information, refer to *"Motions and Gestures"* on page 116.

Accessing Recently-Used Apps

1. Press and hold from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

   – or –

   Tap to go to the Task manager.

   – or –

   Tap to go to Google Search.

   – or –

   Tap to delete the record of all recently used applications.

Multi Window

Multi Window allows you to use multiple apps on the same screen, in multiple, resizable windows.

Enabling and Displaying Multi Window

Enable Multi window on the Notifications screen.

1. Sweep your finger down from the top of the screen to display Notifications.
2. Swipe the Quick settings icons to the left until the Multi window icon displays.
3. Tap **Multi window** to enable it.
4. Touch and hold the **Back Key** to show or hide the tab.

Moving the Multi Window Tab

When Multi window is enabled, its tab displays on the edge of the screen where it's docked. You can move the Multi window tab up or down on the edge of the screen.

- Touch and hold on the tab, then drag it up or down along the edge of the screen to a new location.

Customizing the Muti Window apps

You can rearrange or remove the apps displayed in the Multi window panel.

Rearranging the Multi window applications

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. In a single motion, touch and hold a desired app until it detaches from the panel, then carefully drag it to a new location in the list of apps. Lift your finger or stylus off the screen to let go of the app and drop it into its new location.

Removing a Multi window application

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap the **Edit** button (located at the bottom of the list) to reveal a staging area that can house any removed applications from the Multi window panel.
4. Tap **Done** once you have completed the removal process.

Restoring a Multi window application

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap the **Edit** button (located at the bottom of the list) to reveal the staging area containing any previously removed apps.
4. Locate the desired application.
5. In a single motion, touch and hold a desired app until it detaches from the staging area, then carefully drag it to a new location in the current list of apps.

Using Multi Window to Run Multiple Apps

You can launch apps from Multi window, or drag an app to the screen to run multiple apps at the same time.

The apps display together on a split screen. You can switch between the apps, or adjust the size of their display on the screen.

1. With the first app displayed, touch the tab to display Multi Window, then touch and drag a second app to the screen.
2. As you drag the app over the screen, a blue screen displays. Release the app when the blue screen displays where you want to place it.

Note: Only applications in the Multi-window panel can run on top of another application on the screen.
If you launch two applications that both contain media files (music or video), audio from both files play simultaneously.

Adjusting the size of app windows

You can adjust the size of the two apps on the screen.

Touch and drag the border between the windows.

Switching Multi window positions and displaying a full screen app

You can switch the position of the app windows from top to bottom.

- Touch the border between the windows, then touch **Switch** to switch app positions.

Closing a selected application

1. While two applications are displaying in a split screen, tap one of the two apps to select the app.
2. Tap the Border bar to display the icons.
3. Tap **Exit** to close the app. The second app running maximizes to fill the screen.

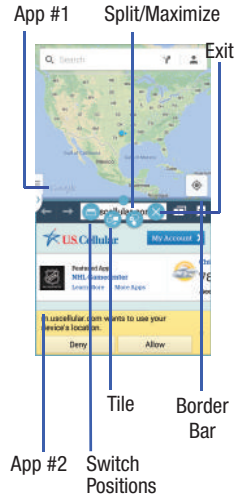
Adding an application with tiles

You can add more than two apps within a Multi window screen. Tiling allows you to use multiple Multi window apps.

1. With two applications displayed in a split screen, tap the Border button .
2. Tap **Add Multi window app**.
3. Tap and hold the and drag a new app to the top or bottom portion of the screen.

Viewing application windows with Tiles

1. With the two applications displayed in a split screen, tap the Border button .
2. Tap **Tile windows**. If the selected area contains more than one app, additional apps display as pop-ups.
3. Tap the upper right of the pop-up to exit the app.



Notifications

Notifications shows information about connections, alerts and other items.

1. Touch and drag downward from the top of the screen to display notifications.
2. Touch an item to open the item, or to launch the related app or feature.

World Clock

While displaying Notifications, touch the time in the Status bar to display a World clock. Add cities to the clock to display the time in different zones around the world.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display Notifications.
2. Touch a notification to clear it, or touch **Clear** to clear all notifications.

Settings

Use settings at the top of Notifications to control popular settings. Slide your finger right and left to see all the icons.

- **Wi-Fi**: Turn Wi-Fi On or Off. For more information, refer to *"Wi-Fi"* on page 180.
- **GPS**: Turn Standalone GPS services on or off. See *"Location services"* on page 187.
- **Sound**: Switch between your sound settings, Mute (all sounds silenced) and Vibrate (all sounds replaced by vibration).
- **Screen rotation**: Enable or disable the Auto rotation setting, to control whether the screen automatically updates when you rotate the device. See *"Display Settings"* on page 195.
- **Bluetooth**: Turn Bluetooth On or Off. See *"Bluetooth"* on page 172.
- **Reading mode**: Activate or deactivate your device's optimized reading mode for selected applications. For more information, refer to *"Display Settings"* on page 195.
- **Mobile data**: Activate or deactivate your device's access to mobile data service. See *"Mobile networks"* on page 188.

- **Blocking mode**: Activate or deactivate your device's notifications for selected features. For more information, refer to *"Blocking Mode"* on page 203.
- **Power saving**: Enable or disable Power saving mode. See *"Power saving mode"* on page 225.
- **Multi window**: Enable or disable the multi window feature. When enabled, touching and holding on the Back Key activates the multi window feature on the screen. Multi window gives you quick access to apps from a window on the right side of the screen, and you can drag an app from the multi window to run multiple apps on the same screen.

LED Indicator

The LED indicator, on the front of the device above the screen (see *"Front"* on page 19) animates or glows to show alerts or device status.

Blue	• Pulses in multi-color blue while the device is turning On or Off. • Blinks blue for a missed call, message or other notification.
Red	• Glows red when the device is connected to a charger and charging. • Blinks red when the device is connected to a charger and there is a problem with charging. • Blinks red when battery power is low (device not connected to charger)
Green	• Glows green when the device is connected to a charger and the battery is fully charged.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for **Apps**.

Editing the Primary Shortcuts

To add or remove shortcuts:

- Touch and hold a shortcut, then drag it from the Primary Shortcuts to the Home screen, or from the Home screen to the Primary Shortcuts.

To remove shortcuts:

- Touch and hold the shortcut until **Remove** appears, then drag the shortcut to the **Remove** icon.

Widgets

Widgets are self-contained applications that you can place on the Home screen for quick access.

Adding Widgets to the Home screen

Adding widgets from the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Home screen** menu.
2. Touch **Apps and widgets**.
3. Touch the **Widgets** tab, then touch and hold and drag it to the Home screen.

Adding Shortcuts from Widgets

1. Navigate to a Home screen panel.
2. Touch **Apps**, then touch the **Widgets** tab.
3. Touch a widget, then follow the prompts to configure the widget and place it on the Home screen.

Removing Widgets

- Touch and hold the widget until **Remove** appears, then drag the widget to the Remove icon.

Folders

Place folders on the Home screen to organize items.

Adding and Removing Folders

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Home screen** menu
2. Touch **Folder**. The folder displays on the Home screen. Touch the folder to name it.
3. Touch and hold the folder then drag it to the **Remove** icon.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose pre-loaded wallpaper images, or select a picture you've taken with Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Home screen** menu, then select **Set wallpaper**.
2. Choose **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Choose a source:
   - **Gallery**: Choose a picture stored on your device or on an optional installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Done** to set the picture as wallpaper.
   - **Live wallpapers**: Choose from pre-loaded interactive moving wallpapers. Touch a wallpaper, then touch **Set wallpaper**.
   - **Wallpapers**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Note: You can also set Wallpaper in Settings. For more information, see *"Wallpaper"* on page 199.

Apps

Apps holds all applications installed on your device. Applications that you download and install are also added to Apps.

The Apps screen is like the Home screen, it consists of panels that extend beyond the display width to provide more space. Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

For more information about applications, see *"Applications"* on page 86.

You can place shortcuts to apps on the Home screen, for quick access to the app. For more information, see *"Adding and deleting a shortcut"* on page 29.

1. From the Home screen, touch **Apps**.
2. Slide your finger left or right to scroll the Apps screens.
3. Touch an icon to launch the application.

Entering Text

Your device uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

You can also use voice input to speak your inputs.

The virtual QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the device, the screen orientation updates to display the keyboard at the bottom of the screen.

Text Input Methods

Your device offers three text input methods: Google voice typing, Samsung keyboard, and Swype.

You can set a default text entry method in Settings. For more information, see *"Samsung Keyboard Settings"* on page 204.

To choose a text input method at any time:

- While entering text, touch and drag downward from the top of the screen to display Notifications, then touch **Select input method**.

Using Samsung Keyboard

The Samsung keyboard is a custom virtual QWERTY keyboard, featuring optional predictive text. Input characters by tapping the on-screen keys with your finger, or use speech recognition.

You can enable predictive text, to have the Samsung keyboard match your key touches to common words and displays them. Select a word from the display to insert it into your text.

Configuring Samsung keyboard

Configure the Samsung keyboard to your preferences.

- For more information, see *"Samsung Keyboard Settings"* on page 204.
- While entering text, touch , then select ⚙ from the pop-up menu.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching the Shift key to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

Entering Symbols and Numbers

To enter common symbols, touch Sym to switch to symbol mode, then touch the corresponding key.

To enter less-common symbols, touch Sym ➔ Sym, then touch the corresponding key.

To enter numbers, touch Sym, then touch the number keys.

Using Google Voice Typing from the Samsung keyboard

When you enable the Voice input setting for Samsung keyboard, you can access Google Voice Typing from the Samsung keyboard.

For more information about enabling Voice input, see *"Configuring Voice Input Recognition"* on page 208.

- Touch , then speak your input.

Using Predictive text

When using Predictive text, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

- While entering characters, potential word matches display in the Predictive text area above the keyboard. Touch a word to insert it into your text.

Entering Text using Swype

Swype is a new way to enter text on touch screens. Instead of touching each key individually, use your finger to trace over the letters of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

Swype Help

While entering text, you can get information about Swype.

- Touch and hold **Swype** to access Settings, for the **How to Swype** tutorial.

Configuring Swype

Configure Swype options in the Language and input settings.

- While entering text, touch and hold **Swype**.
- For more information about Swype settings, see *"Swype Keypad Settings"* on page 206.

Using the Numeric Keyboard

Switch to a Numeric Keyboard, to quickly enter numbers and mathematical operators.

- Touch 123 +!=.

Entering Symbols and Numbers

Using the Swype Keyboard:

- Touch and hold on a key to enter the character at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.
- Touch 123 +!= to switch to Symbol mode, then touch a key.

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste highlighted text.

- Swype from **Swype** to 123 +!=.

Using Swype Voice Input

Enter text by speaking. Swype recognizes your speech and enters text for you.

- Touch **Voice Input**. At the prompt, speak the text you want to enter.

Section 3: Contacts and Accounts

Accounts

Your device provides the ability to synchronize information, from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Contacts from your accounts display in your device's Contacts.

With synchronization, you can ensure that information on your device is updated with any information that changes in your accounts.

Setting Up Your Accounts

Set up and manage your accounts with the Accounts settings.

For information about setting up other, non-synchronized email accounts, see *"Setting Up Email Accounts"* on page 81.

Adding an account

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **General tab** ➔ **Accounts** ➔ **Add account**.
2. Select an account provider, then follow the prompts to enter your credentials and sign in.
3. The device communicates with the provider's server to set up your account on the device.

Managing accounts

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **General tab** ➔ **Accounts**.
2. Select an account, then touch a setting to enable or disable synchronization. When enabled, a check mark displays in the check box.

Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

To access Contacts:

- From the Home screen, touch **Contacts**.

Creating Contacts

1. From the Home screen, touch **Contacts** ➔ **Create contact**.
2. Use the drop-down menu to select a save location (Device, Samsung account, Google, or Microsoft Exchange ActiveSync).
3. Tap the **Name** field and enter a name for this contact using the displayed keypad.
   - Tap to access additional name entries such as: Name prefix, First name, Middle name, Last name, and Name suffix.
4. Tap the image icon and select a photo for this contact. Selections are: **Image**, **Pictures by people**, **Take picture**, or **S Note**.

5. Tap the label button next to the Phone field and scroll through the list to select a category such as **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Callback** or **Custom**,.
6. Enter a phone number in the Phone number field.
7. Enter additional information such as: **Email**, **Groups**, **Ringtone**, **Message alert**, **Vibration pattern** or tap **Add another field** to input additional category information.
8. Tap **Save** to complete and store the new entry.

   – or –

   Tap **Cancel** to delete the current entry.

Creating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Recent"* on page 68.

Creating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to contacts**, then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see *"Creating Contacts"* on page 53.

Tip: While entering a phone number, you can add waits or pauses. Enter the number up to the pause or wait, then touch **Menu** to select **Add 2-sec pause** or **Add wait**.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to view its information, then touch **Edit**.
3. Continue entering contact information. For more information, see *"Creating Contacts"* on page 53.

Updating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then continue entering contact information. For more information, see *"Creating Contacts"* on page 53.

Updating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Recent"* on page 68.

Choosing Contacts to Display

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Contacts to display**:
   - Choose **All contacts** to display all contacts.
   - Choose **Device** to display contacts stored to device memory.
   - Choose an account to only display contacts from that account.
   - Choose **Customized list** to select contact types for each account, or the phone.

Contacts Settings

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Settings**:
   - Select **Only contacts with phones** to show contacts with at least one stored phone number.
   - Touch **List by** to sort contacts by first or last name.
   - Touch **Display contacts by** to list contacts by first or last name.
   - Touch **Contact sharing settings** to set your preferences for transferring contacts by Bluetooth. You can choose to send all namecards at once, or individually. For more information about sending contacts, see *"Sending My Local Profile"* on page 57.

Other Contacts Options

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display it, then touch **Menu**:
   - **History**: View calls and messages to and from this contact.
   - **Edit**: Modify contact information.
   - **Delete**: Erase the contact record.
   - **Link contact/Separate contact**: Manage multiple contacts as one. For information, see *"Linking Contacts"* on page 57.
   - **Mark as default**: Set a default phone number or other field (such as IM or email address). Defaults are the contact method used when creating a message or calling a contact. You can also set a default by touching and holding on a contact field.
   - **Share namecard via**: Send the namecard. For information, see *"Sending My Local Profile"* on page 57.
   - **Add to reject list**: Mark the contact so that calls or messages from the contact are rejected automatically. To remove a contact form the reject list, touch and hold on the contact in the main contacts screen, then choose **Remove from reject list**.
   - **Add shortcut to home**: Adds this contact as a shortcut on one of the Home screens (whichever screen has available space).

My Local Profile

My local profile is your own contact record, listed under ME in Contacts. You can send My local profile as a vCard via Bluetooth or as an attachment.

Creating My Local Profile

1. From the Home screen, touch **Contacts**.
2. Touch **Set up profile**, then enter your information in the contact fields. For more information, see *"Creating Contacts"* on page 53.

Sending My Local Profile

You can send your profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment.

1. From the Home screen, touch **Contacts**.
2. Touch your profile to display your contact information.
3. Touch **Menu**, then touch **Share namecard via**.
4. Choose a sending method, then follow the prompts to send the profile.

Linking Contacts

Your device can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your device, you may have multiple contacts for one person.

Joining contact records allows you to see all the contact's numbers and addresses together. Joining also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

Linking contacts

1. From the Home screen, touch **Contacts**.
2. Touch and hold on a contact, then select **Link contact**.
3. Select a contact to link to the selected contact.

Separating contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Under the **Connection** heading, phone icons show how many contacts are joined to this one.
4. Press **Menu** ➔ **Separate contact**.
5. Touch next to the contact to remove from the connection.

Exporting and Importing Contacts

You can export your contact list to and from USB storage (your device's memory), or an installed memory card. Contacts are exported and imported as a special VCF file, and contacts are sent as vCards.

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Import/Export**.
3. Select an option, then follow the prompts to complete the operation:
   - **Import from USB storage**: Copy contacts that are saved in device memory.
   - **Export to USB storage**: Copy contacts to device memory.
   - **Import from SD card**: Copy contacts from an optional installed memory card (not included).
   - **Export to SD card**: Copy contacts to an installed memory card.

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone and Contacts for fast dialing or messaging, and are indicated by the star.

Creating Favorites

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display it, then touch at the top right of the screen.

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members. Your device comes with pre-loaded groups you can use to add your contacts, or you can create new groups.

Accessing Groups

- From the Home screen, touch **Contacts** → **Groups** tab.

Creating a New Group

1. From the Home screen, touch **Contacts** → **Groups** tab.
2. Touch **Menu** → **Create**, then enter information:
   - Touch **Group name** to enter a Group Name.
   - Touch **Group ringtone** to choose a ringtone for calls from members of this group.
   - Touch **Message alert** to set an alert tone that notifies when a group message arrives.
   - Touch **Vibration pattern** to choose a vibration to play for calls from members of this group.
   - Touch **Add member** to select members from Contacts.
3. Touch **Save** to save the new group.

Editing a Group

1. From the Home screen, touch **Contacts** ➔ **Groups** tab.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Edit group**, then update information for the group. For more information, see *"Creating a New Group"* on page 59.

Deleting a Group

1. From the Home screen, touch **Contacts** ➔ **Groups** tab.
2. Touch **Menu**, then touch **Delete groups**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark displays in the check box. You cannot delete pre-loaded groups.
4. Touch **Delete**, then choose **Group only** or **Group and group members**.

Adding Contacts to a Group

1. From the Home screen, touch **Contacts** ➔ **Groups** tab.
2. Touch a **Group** to display it, then touch **Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark displays in the check box.
4. Touch **Done** to add the selected contact(s).

Removing Contacts from a Group

1. From the Home screen, touch **Contacts** ➔ **Groups** tab.
2. Touch a **Group** to display it.
3. Touch **Menu**, then touch **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark displays in the check box.
5. Touch **Done** to remove the selected contact(s).

Sending a Message to Group Members

Create a new text or email message, addressed to the group's members.

1. From the Home screen, touch **Contacts** → **Groups** tab.
2. Touch a **Group** to display it.
3. Touch **Menu**, then touch **Send message** or **Send email**.
4. Touch contacts to mark them as recipients for the new message, then touch **Done**.
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 77, or see *"Composing and Sending Email"* on page 83.

Speed Dials

Speed dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about calling using speed dials, see *"Making Calls using Speed Dials"* on page 63.

Note: Some speed dials are reserved by default, and cannot be assigned:
Speed dial 1 is reserved for Voicemail.
Speed dial 97 is reserved for balance inquiries.
Speed dial 98 is reserved for minutes inquiries.
Speed dial 99 is reserved for payment inquiries.
Speed dial 100 is reserved for data usage inquiries.

Assigning Speed Dials

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Speed dial setting**.
3. A list of speed dials displays.Touch a speed dial, then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Speed dial setting**.
3. Touch **Menu**, then touch an option:
   - **Change order**: Touch an assigned speed dial, then touch a new speed dial location to change the order.
   - **Remove**: Touch a speed dial to remove it.

Making Calls

Your device offers multiple ways to make calls:

- Use the touch screen **Phone Keypad** to enter the phone number or speed dial.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Recent**.
- Voice dial using **S Voice**.

Making Calls Using the Phone Keypad

1. From the Home screen, touch **Phone**.
2. Touch the digits of the telephone number on the **Keypad**.
3. Touch to place the call.

Making Calls using Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about setting speed dials, see *"Speed Dials"* on page 61.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the speed dial number on the **Keypad**, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 53.

1. From the Home screen, touch **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Touch to dial the number.

Making Calls using S Voice

Place a call by speaking the name or number.

1. From the Home screen, touch **Phone**. then touch **Voice dialer**.
2. The first time you access, follow the prompts to confirm the license agreement, and view information about.
3. Follow the prompts to speak a command. You can say commands such as:
   - **Call <Name >**: Call an entry in your Contacts list.
   - **Dial <Phone number>**: Call a spoken phone number.
   - **Redial**: Repeat a recent call.

Tip: You can launch S Voice from most unlocked screens by pressing the **Home Key** twice.

Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Favorites"* on page 59.

1. From the Home screen, touch **Phone**.
2. Touch **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Touch a contact, then touch to dial the number.

Making Calls from Recent

Return a call, or call a number from a recent call stored in Recent.

For more information, see *"Recent Calls"* on page 67.

Multi-party Calling

Use multi-party call features to set up a call between multiple callers, such as for a conference call.

1. Establish the first call, by answering an incoming call or making a call.
2. Touch **Add call**. The first call is placed on hold.
3. Make the second call by touching the phone number digits, then press .
4. Touch **Merge** to merge the calls into one conference call.
5. Touch **End call** to end the call.

Answering Calls

You can answer incoming calls when the device is locked or unlocked.

- Touch and drag the **Answer** icon toward the middle of the screen.

Tip: Press the **Volume Key** to silence the ringtone for an incoming call.

Sending Calls to Voicemail

When your device alerts you to an incoming call, you can reject the call to send the caller to voice mail, or reject the call and send a message to the caller.

Rejecting a call

- Touch and drag the **Reject** icon toward the middle of the screen.

Rejecting a call with a message

- Touch and drag **Reject call with message** toward the middle of the screen, then select an existing message, or **Create new message**.

Note: For more information about creating reject messages, see *"Set reject messages"* on page 71.

Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and drag the **Answer** icon to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

Options During a Call

While in a call, you can use these features:

- **Add call**: Display the Dialer to set up a multi-party call.
- **Keypad**: Display a keypad to enter numbers.
- **End call**: End the phone call.
- **Speaker**: Enable or disable speakerphone.
- **Mute**: Mute or unmute your voice on the call.
- **Headset**: Switch the call's audio to a Bluetooth headset (device and headset must already be paired; for more information see *"Pairing with a Bluetooth Device"* on page 172).
- Touch **Menu** for options:
  - **Contacts**: Launch Contacts.
  - **Action Memo**: Launch Action Memo.
  - **Message**: Launch Messaging.
  - **One-handed operation on**: Displays the screen for one-handed operation.

Ending a Call

- To end a call, touch

.

Recent Calls

When you place, answer, or miss a call, a record of the call is saved in Recent.

Accessing Recent calls

- From the Home screen, touch **Phone** →

Recent.

Making Calls using Recent

1. From the Home screen, touch **Phone**.
2. Touch

Recent to display recent calls.
3. Swipe your finger from left to right across the call to redial.

   – or –

   Touch a call, then touch to dial the number.

Sending Messages using Recent

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Swipe your finger from right to left across the call.

   – or –

   Touch a call, then touch to create a message to the number.

Creating or Updating Contacts Using Recent

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Touch and hold on a call, then select **Add to contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. For more information, see *"Contacts"* on page 53.

Managing Recent calls

Deleting records

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. While viewing the calls, touch **Menu**, then touch **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check indicates marked records.
4. Touch **Delete** to delete marked records.

Filtering records

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. While viewing the calls, touch **Menu**, then touch **View**.
3. Select a filter type, from **All calls and messages**, **All calls**, **Missed calls**, **Dialed calls**, **Received calls**, **Rejected calls**, **All messages**, **Sent messages**, and **Received messages**.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. While viewing calls, touch **Menu**, then touch **Call duration**.

Call Settings

Configure settings for calling with your device.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Call**.

   – or –

   Press **Menu** ➔ **Settings** **Device** tab ➔ **Call**.

Configuring General Call Settings

Configure the general call settings using this option.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Call**.

   – or –

   Press **Menu** ➔ **Settings** **Device** tab ➔ **Call**.

2. Tap one of the following options:
   - **Call rejection**: allows you to manage your rejection mode and rejection list.
     - **Auto reject mode**: sets the phone to automatically reject incoming calls or messages.
     - **Auto reject list**: provides access to current rejection entries and numbers.
   - **Set up call rejection messages**: allows you to manage both existing rejection messages and create new ones.
   - **Answering/ending calls**: allows you to manage the settings for answering and ending calls.
     - **The home key answers calls** allows you to press the **Home key** to answer the phone.

  - **Voice control** allows you to answer incoming voice calls using voice.
  - **The power key ends calls** allows you to press the power key to end the current call.
- **Turn off screen during calls**: allows you to force the screen to turn off during an active call.
- **Call alerts**: allows you to assign call alert tones and activate call alerts and vibration.
  - **Vibrate on connection to network**: set the device to vibrate when it connects to the network.
  - **Call-end vibration**: vibrates the phone when the call ends.
  - **Call connect tone**: plays a tone when the call connects.
  - **Minute minder**: plays a tone once per minute during a call.
  - **Call end tone**: pays a tone when the other caller ends the call.
  - **Alerts on call**: selects whether alarm and message notification is turned off during a call.
- **Incoming call notifications**: when enabled, shows notification pop ups for incoming voice calls when the screen is on.
- **Call accessories**: allows you to assign headset settings during incoming calls.

Ringtone and sound settings

- **Ringtones and keypad tones**: allows you to manage your device's ringtones and vibratory features. Choose from: Ringtones, Vibrations, Vibrate when ringing, and Keypad tones (used when the keypad is pressed).
- **Personalize call sound**: allows you to enable the personalize call sound function within an active call. You can adjust the audio by enabling selecting an audio preset.
- **Noise reduction**: allows you to enable suppression of background audio.
- **Increase volume in pocket**: enables the ringtone volume to increase when the device is in a pocket or bag.

Voicemail

- **Voicemail service**: allows you to assign the service.
- **Voicemail settings**: displays the settings for the voicemail.
- **Sound**: assigns your device's ringtone.
- **Vibrate**: configures the vibrate settings.

Other call settings

- **Auto retry**: the device automatically redials up to 10 times when the person does not answer the call or is already on the phone, provided your call is not sent to voicemail.
- **TTY mode**: allows you to configure the TTY settings. For more information, refer to *"TTY Mode"* on page 74.
- **Hearing aids**: allows you to enable/disable hearing aid compatibility. For more information, refer to *"HAC Mode"* on page 74.
- **DTMF tones**: select the length of the DTMF (Dual Tone Multi Frequency) tone (Normal or Long) that the keypad generates each time you press a key.
- **Voice privacy**: enhances Voice privacy mode.

Set reject messages

1. From the Home screen, press **Menu** and then tap **Settings** ➔ Device **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** Device **Device** tab ➔ **Call**.
2. Tap **Set up call rejection messages**.
3. Tap + to manually add a reject message.
   – or –
   Tap one of the pre-written messages to display when you want to reject the call. You can edit the message if desired.
4. Tap **Save** to save the reject message.

Accessory settings for call

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap **Call accessories**.
3. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.
   - **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
   - **Outgoing call conditions**: allows you to make calls even when the device is locked.

Ringtones and keypad tones

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap **Ringtones and keypad tones**.
3. Tap **Ringtones**, select a ringtone, and tap **OK**.
   – or –
   Tap **Add** to locate an audio file to create as a ringtone.
4. Tap **Vibrations**, select a vibration type, and tap **OK**.
   – or –
   Tap **Create** to begin creating your own custom vibration.
5. Tap **Vibrate when ringing** if you want the device to vibrate for an incoming call.
6. Tap **Keypad tones** to enable tones to play when you press the keypad.

Voicemail

You can view your voicemail number from this menu.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap **Voicemail service**.

3. If an additional voicemail service is in use (other than carrier), tap **Voicemail** to now view your selected voicemail number and information.

Sound - Device Ringtone

This option allows you to assign your default device ringtone.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap **Sound**.
3. Select a ringtone and tap **OK**.

Vibrate

This option allows you to activate a vibration for an incoming call.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap **Vibrate** to toggle the feature on or off.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your device is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap **TTY mode**.
3. Tap **TTY Full**, **TTY HCO**, or **TTY VCO** to activate the feature, or **TTY Off** to deactivate the feature. Off is the default setting.

HAC Mode

This menu is used to activate or deactivate Hearing Aid Compatibility for this device.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap the **Hearing aids** field to activate the feature (green check mark), or tap it again to deactivate the feature. Off is the default setting.

DTMF Tones

DTMF tones let you select the length of the tone (Normal or Long) that the keypad generates each time you press a key.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Call**.
   – or –
   Press **Menu** ➔ **Settings** **Device** **Device** tab ➔ **Call**.
2. Tap **Normal** or **Long**.

Voice Privacy

Use this setting to activate enhanced privacy mode.

Note: If Enhanced voice security is unavailable at a particular location, you phone reverts temporarily to Standard voice security.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Call**.

   – or –

   Press **Menu** ➔ **Settings** **Device** tab ➔ **Call**.

2. Touch **Voice privacy** to activate Enhanced privacy mode.

Section 5: Messaging

Types of Messages

Your device supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures, video, and/or sound to other mobile phones or email addresses (also known as MMS).
- **Mobile IMs**: Exchange Instant Messages with other users of popular messaging sites.
- **Email**: Send and receive email from your email accounts, including Corporate mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Voicemail**: Retrieve voice messages from callers.
- **Google Hangouts**: Chat with other Google Hangouts users.

Note: Messaging service availability depends on your network and service plan. Multimedia Messaging charges apply per your Calling Plan. Monthly plans are available. Higher rates apply for International Multimedia Messaging (when available). Compatible Device required. Consult Customer Service for more information.

Text and Multimedia Messaging

Your device can send and receive text and multimedia messages.

Creating and Sending Messages

1. From the Home screen, touch **Messages**.
2. Touch **New message**.
3. Touch **Enter recipient** and enter a name, phone number or email address, or touch to add recipients from Contacts. As you enter text, matching contacts display. Touch a contact to add it to the list.
4. Touch **Enter message**, then enter the message. While entering the message, use these options (available options depend on attachment):
   - Touch **Attach** to add media or content to the message (converts the message to MMS).
   - Touch **Menu** for options:
     - **Insert smiley**: Add a text emoticon to the message.
     - **Add text**: Select text from S Memo, Calendar, Contacts or Text templates to add.
     - **Add slide/Remove slide**: Add or remove a slide. Slides hold pictures or other media, and adding a slide converts the message to MMS.
     - **Add subject**: Add a subject field (converts the message to MMS.)
     - **Scheduling**: Schedules a date and time to send this message.
     - **Discard**: Erase the message without sending it.
     - **Translate**: Sends your message in the receivers language.
5. Touch to send the message.

Managing Messages

Messages you send and receive to the same contact, number or address are grouped together as a "thread", so you can see all the messages you exchanged with a recipient in one place, like a conversation.

1. From the Home screen, touch **Messages**.
2. Message threads display by contact, number, or address. While viewing message threads, you have these options:
   - Touch and hold a thread to choose options, including:
     - **View contact / Add to contacts**: View the contact record, or save the sender/recipient's information.
     - **Delete**: Erase the entire message thread.
     - **Add to spam numbers**: Adds the contact's number to the spam list.
   - Touch **Menu** for options, including:
     - **Search**: Enter characters to search messages and recipients.
     - **Delete threads**: Choose message threads to erase.
     - **Draft messages**: View messages you've created but not yet sent.
     - **Locked messages**: View messages you've locked. Locked messages cannot be deleted.
     - **Scheduled messages**: View messages scheduled to send at a specific time.
     - **Spam messages**: View a list of received spam messages.
     - **Settings**: Configure Messaging settings.

Message Settings

Configure settings for message storage, delivery, or alerts.

1. From the Home screen, touch **Messages**.
2. Touch **Menu**, then touch **Settings** for options:

General Tab

General settings

- **Delete old messages**: When enabled, messages are automatically erased when storage reaches default limits. When disabled, the device will prompt you to delete old messages to make room.
- **Text message limit**: Set the number of SMS messages per conversation.
- **Multimedia message limit**: Set the number of MMS messages per thread.

- **Text templates**: Text templates are phrases that you can add to your messages. Use a pre-loaded text template, or create your own.

Display settings

- **Bubble style**: Choose the appearance of messages in a message thread. Touch a bubble style for each side of the conversation, then touch **Save**.
- **Background style**: Choose the appearance of the screen behind message threads. Touch a style, then touch **Save**.
- **Split view**: When enabled, messages display in a split screen view when the device is in landscape orientation.
- **Use the volume key**: When enabled, you can change the size of message text while viewing by pressing the Volume Key.

Signature settings

- **Add signature**: When enabled, a text signature is added to all messages you send.
- **Signature text**: Enter a text signature to add to messages when Add signature is enabled (available when Add signature is enabled).

SMS/MMS Tab

Text message (SMS) settings

- **Delivery reports**: When enabled, you receive a delivery report for text messages you send.

Multimedia message (MMS) settings

- **Group messaging**: When enabled, sends a message to multiple recipients.
- **Delivery reports**: When enabled, you receive a delivery report for multimedia messages you send.
- **Auto retrieve**: When enabled, MMS messages download automatically. When disabled, the device prompts for download.
- **Roaming auto retrieve**: When enabled, MMS messages download and display automatically when roaming. When disabled, the device prompts you to download new MMS messages.
- **MMS alert**: When enabled, your device alerts you when a message changes from SMS to MMS, such as when you attach a picture.

More Tab

Notification settings

- **Notifications**: When enabled, message alerts display in the Status bar.
- **Select ringtone**: Choose a sound for message alerts.
- **Vibrate**: Configure vibration for message alerts.
- **Message alert repetition**: Choose the frequency of alerts for new messages.
- **Preview message**: When enabled, a preview of new messages appears in the Status bar with the message notification.

Emergency message settings

- **Emergency alerts**: This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS), including Presidential Alerts, Imminent Alerts (Severe or Extreme), and AMBER Alerts (missing persons). You may choose not to receive Imminent and AMBER alerts, but Presidential Alerts cannot be disabled. All alerts are enabled by default (checkmark shown). For more information about Emergency Alerts see *"Emergency Alerts"* on page 81.
- **Emergency notification preview**: Listen to an example of a Emergency Alert tone (and vibration, if enabled). The Emergency Alert tone plays at the same volume as your call ringtone.
- **Vibrate**: Configure vibration for Emergency Alerts.
- **Alert sound**: Plays a tone for Emergency Alerts.
- **Alert reminder**: Choose whether, and at what interval, your device plays a sound to notify you of an Emergency Alert after the Emergency Alert tone has stopped.

Spam message settings

- **Spam settings** when enabled, allows you to configure available spam settings such as:
- **Add to spam numbers**: allows you to manually enter and assign a phone number as being sent from a spam source.
- **Add to spam phrases**: allows you to assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
- **Block unknown senders**: when active, automatically blocks incoming messages from unknown sources or blocked numbers.

Emergency Alerts

This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS). Emergency Alerts are geographically-targeted, and alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert.

There are three types of Emergency Alerts:

- Presidential
- Imminent (Severe or Extreme)
- AMBER Alerts (missing person alert)

Customers may choose not to receive Imminent Alerts and AMBER Alerts. Presidential Alerts can not be disabled. To disable Imminent Threat Alerts (Extreme and Severe) and AMBER Alerts, follow these instructions:

1. From the Home screen, touch **Messages**.
2. Touch **Menu**, then touch **Settings** → **More tab** → **Emergency alerts**.
3. All alerts are enabled by default (checkmark showing). To disable alerts, touch an alert to remove the checkmark.

Email

Send and receive email using popular email services.

Setting Up Email Accounts

You can configure Email for most accounts in just a few steps.

1. From the Home screen, select **Apps** → **Email**.
2. The first time you set up an email account, select your email provider.

   – or –

   For subsequent accounts, touch **Menu** → **Settings** → +, then select your email provider.
3. Follow the prompts to set up your email account.

Deleting Email Accounts

1. From the Home screen, select **Apps** ➔ **Email**.
2. Touch **Menu** ➔ **Settings** ➔ .
3. Select email account(s) for deletion, then touch **Delete**.

Syncing Email Accounts

Syncing refreshes your device with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

- From the Home screen, select **Apps** ➔ **Email** ➔ **Sync**.

Email Settings

Use settings to configure handling of your email.

Note: Available settings depend on the email provider.

1. From the Home screen, select **Apps** ➔ **Email**.
2. Touch **Menu** ➔ **Settings**.
3. The following options display under the General settings heading:
   - **Display**: Set how email displays in the email list and when messages are opened.
   - **Composing and sending**: Sets which functions are available while composing and sending email messages.
   - **Auto advance**: Choose the screen to display after you delete a message.
   - **Confirm deletions**: When enabled, Email will prompt you to confirm when you delete messages.
   - **Priority senders**: Enter email addresses, to have emails from the addresses treated as a priority.
   - **Spam addresses**: Edit the list of senders and domains reported as spam.

- **Rules for filtering**: Set filters and manage filtered email in combined view.
- **Split view mode**: When enabled, emails display in a split screen view when the device is in landscape orientation.

4. Touch an account to configure specific settings. Available options depend on the account.

Composing and Sending Email

1. From the Home screen, select **Apps** ➔ **Email**.
2. If you have multiple accounts set up, choose an account from the menu at the top of the screen.
3. Touch **COMPOSE**, then touch fields to enter recipients and the email text.
4. While composing a message, use these options:
   - Touch **Menu** for options. Available options depend on the type of email account.
   - Touch **Attach** to add a file to the message. Available options depend on the type of email account.
5. Touch **Send** to send the message.

Gmail

Send and receive emails via Gmail, Google's web-based email.

- From the Home screen, select **Apps** ➔ **Google** ➔ **Gmail**.

Setting Up Your Gmail Account

The first time you launch Gmail, your device will prompt you to set up your Google account, if you haven't already set it up. If you set up your Google account on your device, Gmail is set up automatically

1. From the Home screen, select **Apps** ➔ **Google** ➔ **Gmail**.
2. Follow the prompts to sign in, or create a new account.
3. The device communicates with the Google server to set up your account and synchronize your email.

Note: You can use more than one Google account on your device. To add another account, use the **Menu** ➔ **Settings** ➔ **ADD ACCOUNT** option.

Refreshing Your Gmail Account

Syncing refreshes your device with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

- From the Home screen, select **Apps** → **Google** → **Gmail**.

  When the inbox opens it refreshes.

Gmail Settings

Use settings to configure your Gmail preferences.

1. From the Home screen, select **Apps** → **Google** → **Gmail**.
2. Touch **Menu** → **Settings** for options.

Composing and Sending Gmail

1. From the Home screen, select **Apps** → **Google** → **Gmail**.
2. Touch **Compose**, then touch fields to compose the message. While composing, touch **Menu** for options.
3. To send the message, touch **Send**.

Voicemail

All unanswered calls to your device are sent to voice mail, even if your device is turned off, so you'll want to set up your voice mail and personal greeting as soon as you activate your device.

Visual Voice Mail is a feature that allows you to review your voicemails on your device, including the option to listen to your voicemail in any order. There is a monthly charge for Visual Voice Mail, and airtime charges may apply. For more information, contact Customer Service.

Setting up Voicemail

1. From the Home screen, touch **Phone**, then touch and hold 1 ∞.
2. Follow the automated instructions to set up your password and record a greeting.

Checking Voicemail

1. From the Home screen, touch **Phone**, then touch and hold 1 ∞.
2. Follow the automated instructions to manage voicemail.

Google Hangouts

Chat with other Google Hangouts users.

Note: Talk requires that you have a Google account set up on your device. For more information, see *"Setting Up Your Accounts"* on page 52. If you set up your Google account, you are automatically logged in.

- From the Home screen, tap **Apps** ➔ **Google** ➔ **Hangouts**.

For more information, refer to *"Hangouts"* on page 119.

Section 6: Applications

Managing Applications

Apps displays all applications installed on your device, including apps you download and install.

You can change the way apps display on the screen, uninstall apps you've downloaded, and share apps with friends. When you install new apps, new screens are added to hold them.

Tip: You can place shortcuts to apps on the Home screen, for quick access to the application. For more information, see *"Primary Shortcuts"* on page 46.

Downloading and Installing Apps

Find new apps to download and install on your device:

- **Play Store**: For more information, see *"Play Store"* on page 134.

Uninstalling and Disabling Apps

You can uninstall apps you download and install. Pre-loaded apps cannot be uninstalled.

1. From the Home screen, touch **Apps**.
2. Touch **Menu** ➔ **Uninstall/disable apps**.
3. Apps that can be uninstalled display a minus sign on their icon. Touch the minus sign then follow the prompts to uninstall the app. You cannot uninstall pre-loaded apps.

Application Folders

Several applications are grouped into folders. The applications in this sections are described alphabetically. The following folders contain the applications:

Galaxy Plus

This folder contains the following applications: Bloomberg+, Dropbox, Evernote, Flipboard, POLARIS Office 5, SketchBook for Galaxy, and TripAdvisor.

Google

This folder contains the following applications: Google, Google Settings, Google+, Gmail, Hangouts, G+ Photos, Play Books, Play Games, Play Magazines, Play Movies & TV, Play Music, Voice Search, and Chrome.

Samsung

This folder contains the following applications: Action Memo, Calculator, Downloads, Group Play, Internet, KNOX, My Files, PEN.UP, S Health, S Translator, S Voice, Samsung Link, Story Album, Voice Recorder, VPN Client, and WatchON.

US Cellular

This folder contains the following applications: Wi-Fi Now, Your Navigator, Slacker, City ID, Tone Room Deluxe, mobiTiles, Mobile Data Security, and Gameloft.

Customizing the Application Group Names

1. From the Home screen, tap **Apps**.
2. Tap a group entry then touch and hold the name of the group from the top of the on-screen pop up.
3. Use the on-screen text entry method to replace the name.

Action Memo

The S Pen and inventive Action Memo let you quickly access the information you need, while using any application. You can keep a memo always nearby by pinning it to the screen.

Link your short notes to applications like Phone, Contacts, Messages and so on. For more information, refer to *"S Pen Settings"* on page 210.

Creating a New Memo

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Action Memo**. The action Memo screen is displayed.
2. Tap an existing Memo to open it then tap the screen to enter edit mode.

   – or –

   Tap **Create** to create a new action memo.

Tip: You can also press the S Pen and hover it over the screen until Quick Finder displays, then tap Action Memo.

3. Use the on-screen options to create your memo.
4. Tap **Save** to store the new memo.

The icons that display are described in the following table:

Allows you to add free-format drawing and change the input color.

Allows you to erase marks and drawings.

Circle an on-screen text or drawing to then assign that as an action item to an available application such as: Call, Contacts, Messages, Email, Internet, Maps Calendar event.

Displays additional functions.

Allows you to edit the current color.

Detaches the current memo and converts it in a small popup box.

Reduces the number of on-screen options.

Closes the current session and save the action memo.

Cancels the current memo.

Saves the current memo and creates a new one.

Add an additional page to the memo.

5. Select the following functions from the main application screen:
   - **Search**: allows you to search for information within existing memos.
   - **Create**: allows you to create a new memo.
   - **Delete**: allows you to delete an existing memo.

Bloomberg+

This application provide access to the latest business news and data, no matter where you are.

1. From the Home screen, tap **Apps** ➔ **Galaxy Plus** ➔ **Bloomberg+**.
2. Follow the on-screen instructions.

Calculator

Using this feature allows you to use your device as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Calculator**.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by tapping the **Plus, Minus, Multiplication,** or **Division** key.
4. Enter the next number.
5. To view the result, tap the **=** **(equals)** key.
6. Repeat steps 1 to 4 as many times as required.

Note: Place the screen in Landscape mode to reveal additional scientific functions.

Calendar

With this feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder. Google Calendar is built into the phone and synchronizes both new and existing entries between your phone and your online Google account.

Important! You should previously add an account (Facebook, Microsoft Exchange ActiveSync, or Google) prior to using the Calendar.

1. From the Home screen, tap **Apps** ➔ **Calendar**. The following tabs are available on the right side of the display:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **List**: displays the events in a List view.
   - **Task**: allows you to search for tasks.
2. Tap **Create event** to create a new Calendar event.

   – or –

   Tap **Today** to display the current date indicated by a blue box, then press and select one of the following options:
   - **Go to**: displays a specific date.
   - **Delete**: allows you to delete All events, All events before today, or an individual event.
   - **Search**: allows you to search within your current events.
   - **Sync**: Synchronizes calendar events.
   - **Calendars**: allows you to view the current Calendar accounts.
   - **Settings**: displays a list of configurable settings.

Creating a Calendar Event

1. From the Home screen, tap **Apps** ➔ **Calendar**.
2. Within the Year, Month, Week, and Day tabs, **Create event** to create a new Calendar event.

Enabling the Handwriting mode

1. From the Home screen, tap **Apps** ➔ **Calendar**.
2. Tap **Enable Handwriting** to edit the on-screen Calendar by adding hand-written information.
3. Use the following functions:

Allows you to add free-format drawing.

Allows you to erase marks and drawings.

Undo the last action.

Redo the last action that was undone.

Exits the current action and returns to the Calendar application.

Saves the current updates.

Calendar Settings

Using the Calendar settings you can select the day with which you want the calendar o begin. You also select how you want to view the calendar, by Month, Week, or Day or determine how to manage events, notifications, sounds, and defaults reminders.

1. From the Home screen, tap **Apps** ➔ **Calendar**.
2. Press ➔ **Settings**.
3. Tap **View styles** and select an option.
   - Tap **Month view styles** and select an option.
   - Tap **Week view** and select a type.
4. Tap **First day of week** and select either **Locale default**, **Saturday**, **Sunday** or **Monday**.
5. Tap **Hide declined events** to activate this option. A check mark indicates selection.
6. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.
7. Tap **Show week number** to display the week numbers along the side of the week entries.

8. Tap **Hide completed tasks** to activate this option. A check mark indicates selection.
9. Tap **Weather** to activate this option. A check mark indicates selection.
10. Tap **Set alerts & notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
11. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
12. Tap **Vibration** to assign a vibration notification to this event.
13. Tap **Quick responses** to edit your default quick responses for outbound emails. These are default responses similar to those used by text templates.

Camera

Use your 13.0 megapixel camera feature to produce photos in a JPEG format. The Camcorder shoots 1080P High Definition video in an MP4 format.

Recording is UHD @ 30fps, Smooth motion (FHD @ 60fps), and Slow motion (HD @120fps)

Note: A microSD card is no longer necessary before you take pictures or shoot video.
It is recommended that you confirm your default storage location for images and videos.

- From the Home screen, tap **Apps** → **Camera**.

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

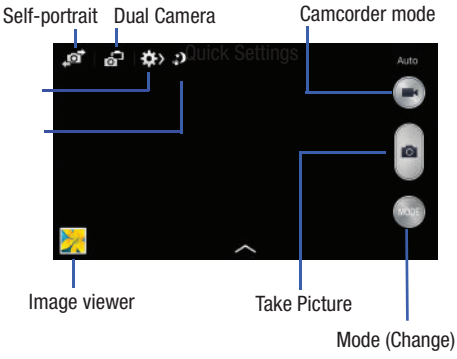
Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From the Home screen, tap **Apps** ➔ **Camera**.
2. Using the device's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.
5. You can also tap the screen to move the focus to a desired area of interest.
6. Tap (**Camera**) until the shutter sounds. (The picture is automatically stored within your designated storage location). If no microSD is installed, all pictures are stored on the Device.)

Note: Touch and hold to take a burst shot. These are saved using a Fine image quality.



Camera Options

Options are represented by icons across both sides of the screen.

1. From the camera viewfinder, tap the Mode button (MODE) to change the mode to one of the following:
   - **Auto**: Use this mode to automatically adjust the exposure, color, and brightness settings. This mode allows single image shots or burst shots.
   - **Beauty face**: Use this to take photos with lightened faces for gentler images.
   - **Best photo**: Use this to take multiple photos in a short time, and then choose the best photos among them. Press the Shutter button to take multiple photos. When Gallery opens, tap and hold thumbnails of photos to save, and tap Done.
   - **Best face**: Use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Shutter button to take multiple photos. When Gallery opens, tap the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, tap Done to merge the images into a single photo, and tap Save.

– **Sound & shot**: Use this mode to enrich pictures by adding background sounds for a few seconds. The background sound is recorded for up to 9 seconds after taking the photo.
– **Drama**: Use this to take a series of photos of a moving object and then merge them together into one image.
– **Animated photo**: Use this to create a picture in which a few selected static objects move by animating objects detected by the device.
– **Golf**: Use this feature to take pictures of a gold swing and then play the pictures back (forwards or backwards).
– **Rich tone (HDR)**: Use this to take photos with richer colors and contrasts by merging images taken at different exposure levels.
– **Eraser**: Saves the best of 5 taken pictures and removes any passers by.
– **Panorama**: Use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
– **Surround shot**: Use this to take a 360-degree pictures that are then used to create a spherical panorama.
– **Sports**: Use this to take fast action photos.

2. From the top of the camera, the following shortcuts are available for the camera:

Focus area: displays the area of the image used as the main focus area. If the image is too close, the square will turn red.

Self portrait: allows you to set the front camera so you can take pictures of yourself.

Front Camera/Dual Camera: allows you to activate both the front and rear cameras simultaneously. For more information, refer to *"Taking Dual Camera Photos"* on page 97.

Quick Settings: activates the Quick Settings menu bar from where you can select several additional settings.For more information, refer to *"Quick Settings"* on page 96.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected picture. The last picture you took, will be displayed as a thumbnail in the Image viewer icon.

Effects/Downloads: provides access to pre-installed and downloaded effects. Default effects include: No effect, Cartoon, Faded color, Fisheye, Grayscale, Moody, Oil pastel, Rugged, Sepia, Tint, Turquoise, Vignette, Vintage, and Download.

Camcorder button: shoots a video when pressed.

Camera button: takes a photo when pressed in Camera mode.

Mode button: allows you to select from different camera modes.

Storage location/Connection Status: indicates the device is connected to an adapter and the current storage location for images (Device or Memory card) on the device.

Quick Settings

Tap at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

Camera settings: configure Camera settings.

Flash: activate or deactivate the flash.

Night detection: use this activate/deactivate night detection.

Voice control: activate or deactivate the voice control to take photos.

Recording mode: select a resolution for videos. Choose from: Normal, Limit for MMS, Slow motion, Fast motion, or Smooth motion.

Share functions: activate or deactivate the sharing options. Choose from Off, Buddy photo share, ChatON phot share, or Remote viewfinder.

Quick Settings: hide Quick settings.

Taking Dual Camera Photos

With the Dual Camera feature, you can take a picture with both the front and rear cameras at the same time.

To take a Dual Camera picture:

1. From the camera viewfinder, tap (**Dual Camera**) located at the top left side of the screen. The camera viewfinder displays an image from the front-facing camera within a mini picture frame on top of the main image displayed from the rear-facing camera.
2. Tap (**Camera**) until the shutter sounds.

To resize the front camera image:

- Touch and hold the mini picture frame until the resize handles appear, then drag a corner to enlarge the image.

To reposition the front camera image:

- Touch and hold the mini picture frame to detach it and then place it in a desired location.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

1. From the viewfinder, tap (**Quick Settings**) ➔ (**Camera Settings**).
2. The follow settings are located under the Camera, Camcorder, and General tabs. The settings that are displayed will depend on what camera mode you are in.

Camera:

- **Photo size**: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
- **Burst shot**: allows several photographs to be captured in quick succession by touching and holding the Camera button.
- **Tap to take pics**: allows you to tap the screen to also take a new picture (vs using the Camera button).
- **Face detection**: allows you to adjust the camera focus based on face detection technology.
- **Metering**: allows you to set how the camera measures or meters the light source: Center-weighted, Matrix, or Spot.
- **ISO**: determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
- **Smart stabalization**: compensates for camera movement.
- **Save as**: allows you to assign rich tone usage to an image.

Camcorder:

- **Video size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Video stabilization**: Activate or deactivate Optical Image Stabilization.
- **Audio zoom**: when active, allows you to focus your microphone on a zoomed area during video recording.

Settings:

- **Location tag**: attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Review**: set this option if you want to view each picture after you take it. Select a time value.
- **Volume key**: assigns a function to the volume key. Choose from The zoom key, The camera key, or The record key.
- **Timer**: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: allows you to adjust the brightness level by moving the slider.
- **Guidelines**: Display viewfinder guides to help composition when selecting subjects.
- **Flash**: activate or deactivate the flash.
- **Voice control**: activates/deactivates voice control feature that allows you to verbally take a photo.
- **Contextual filename**: allows you to have your location added as part of the filename. You must first activate GPS tag described above.
- **Save as flipped**: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.
- **Storage**: Select the memory location for storage.
- **Reset**: Reset the camera settings.

Pictures and Videos Image Viewer Options

After you take a photo or record a video, you can access various options.

Photo viewing options

1. Tap a thumbnail to view the picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

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2. The following options are available at the top of the screen:
   - **Change player** : allows you to select a different AllShare/Samsung Link device from your available list.
   - **Share via** : allows you to share the picture via ChatON, Group Play, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Flipboard, Gmail, Google +, Hangouts, Messages, PEN.UP, Picasa, S Note, Scrapbook, Sketchbook for Galaxy, and Wi-Fi Direct.
   - **Edit** : (in Landscape mode) allows you to edit the current image. Launches the Photo Editor application. For more information, refer to *"Editing a Photo"* on page 109.
   - **Delete** : allows you to delete the current picture.
3. Press for additional options such as:
   - **Edit**: (in Portrait mode) allows you to edit the current image.
   - **Favorite**: allows you to assign the current image as a favorite.
   - **Slideshow**: allows you to see your photos in a slideshow.
   - **Photo frame**: takes the current image and creates a surrounding photo frame that can be edited with edited text or drawn object, then saved.
   - **Photo note**: allows you to write notes on your current image and then save it.
   - **Signature**: allows you to edit the current image using the photo editor.
   - **Copy to clipboard**: allows you to copy one or more pictures to a different folder.
   - **Print**: allows you to print the current image on a compatible Samsung printer.
   - **Rename**: allows you to rename the current file.
   - **Buddy photo share**: allows you to share the current image with active ChatON buddies.
   - **Rotate left**: allows you to rotate the view of the current image in a counterclockwise direction.

– **Rotate right**: allows you to rotate the view of the current image in a clockwise direction.
– **Crop**: provides an on-screen box that allows you to crop the current picture. Tap **Done** to update the image with the new dimensions or tap **Cancel** to ignore any changes.
– **Set as**: allows you to assign the current image as a Contact photo, Home screen, Lock screen, or Home and lock screens.
– **Details**: files details such as Title, Time, Width, Height, Orientation, File Size, and Path.
– **Settings**: provides access to the Gallery options menu. Choose from SNS data management (Sync only via Wi-Fi), Tags (Tag buddy or Face tag), and Sound & shot (Auto play sound).

Video viewing options

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap ▷ to play the video.
   - **Share via** : allows you to share the video via ChatON, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Gmail, Google+, Messages, Picassa, S Note. Scrapbook, Wi-Fi Direct, or YouTube.
   - **Trim** : activates the Trim feature so that you can edit the length of the current video.
   - **Delete** : allows you to delete the current video. Choose either **OK** or **Cancel**.
3. Press ▭ for additional options.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send high definition videos.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

1. From the Home screen, tap **Apps** ➔ **Camera** to activate the camera mode.
2. Using the camera's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
3. Before you take a video, use the Volume control buttons to zoom in or out. You can magnify the video up to x4 (400 percent).

Note: Use either the Up and Down volume keys or spread/pinch the screen to zoom in or out.

4. Tap **Video** to begin shooting video. The red light will blink while recording.
5. Tap anywhere on the screen to re-focus the camera on that object. The camcorder auto-focuses on the new target area.
6. To capture an image from the video while recording, tap **Take Picture**. This feature is not available while the anti-shake feature is activated.
7. Tap **Stop** to stop the recording and save the video file to your Camera folder.

   – or –

   Tap **Pause** to pause the recording.
8. Once the file has been saved, tap the image viewer, then tap **Play** to playback your video for review.
9. Press to return to the viewer.

ChatON

This application provides a global mobile communication service where you can chat with more than 2 buddies in a group chat. Share pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

- From the Home screen, tap **Apps** ➔ **ChatON**.

Chrome

The Google Chrome app allows you to use the Google Chrome Web browser on your device.

1. From the Home screen, tap **Apps**➔ **Google** ➔ **Chrome**.
2. Follow the on-screen instructions to use Google Chrome.

City ID

Subscribe to City ID to display city and state for incoming calls and to look up city and state information for phone numbers.

Note: City ID requires a subscription, after a limited free trial.

- From the Home screen, tap **Apps**➔ **US Cellular** ➔ **City ID**.

Clock

Here you can set an Alarm, configure and view the World clock, use a Stopwatch, set a Timer, or use a Desk Clock. The applications display in a tabular format and quickly accessed with the touch of a finger.

- From the Home screen, tap **Apps** ➔ **Clock**.

Setting an Alarm

1. From the Home screen, tap **Apps** ➔ **Clock**.
2. From the **Alarm** tab, tap **Create alarm**.
3. Use the arrow symbols to enter adjust the hour, and minutes, then tap **AM** or **PM** (toggles depending on which was last selected).
4. Tap the **Alarm repeat** field and touch the number of times you want this alarm to repeat. Selections are: day blocks or **Repeat weekly**. Selected day blocks turn blue when active.
5. Tap the **Alarm type** field and select one of the following: **Melody**, **Vibration**, or **Vibration and melody**.
6. Tap the **Alarm tone** field and either select an available tone or select **Add** to use locate a sound to use as an alarm ringtone. Tap **OK** to activate the ringtone.
7. Slide the slider bar left or right in the **Alarm volume** field to decrease or increase the alarm volume. A sample of the volume level plays.
8. Move the **Location alarm** slider to the right to activate the feature, then follow the on-screen instructions to enter a location. When activated, the alarm only sounds when you are at a specific location.
9. Move the **Snooze** slider to the right to activate the feature. Tap the field to assign a **Interval** time (3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and **Repeat** (1 time, 2 times, 3 times, 5 times, and 10 times).
   - **Interval** indicates the length of time the alarm will remain silent between alarm notifications (snooze time).
   - **Repeat** indicates the numbers of snooze sessions that are assigned to this alarm. How many times will the snooze silence the alarm.

10. Move the **Smart alarm** slider to the right to activate this feature which slowly increases screen brightness and the volume of nature tones to simulate dawn breaking. Tap the field to assign a interval time (1 minute, 3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and nature tone (Fairy fountain, Birdsong by the lake, Sparkling mist, The secret forest, Serenity, or Gentle spring rain).
    - **Interval** category describes the length of time the alarm will remain silent between alarm notifications (snooze time).
    - **Tone** category provides one of several nature sounds that are used as the alarm tone.
11. Tap the **Name** field and enter a name for this Alarm.
12. Tap **Save** to store the new alarm event.
13. Touch and slide in any direction to stop a sounding alarm.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and slide in any direction.

Deleting an Existing Alarm

1. From within the **Clock** application, touch and hold an on-screen alarm event.
2. Tap **Delete**.

World Clock

This feature allows you to find out what time it is another part of world.

1. From within the **Clock** application, tap the **World clock** tab.
2. Tap **Add city** then scroll and select the desired city, or tap in the search field to locate a city.

To assign DST settings:

1. Locate a desired city from the World clock list.
2. Touch and hold a city and select **DST settings**.
3. Select a DST setting (Automatic, Off, or 1 hour).
   If Daylight Savings Time is selected, a sun symbol displays next to the World Clock city listing.

Stopwatch

This feature allows you to capture elapsed time while letting the stopwatch keep running.

1. From within the **Clock** application, tap **Stopwatch** tab.
2. Tap **Start** to start the stopwatch counter.
3. Tap **Lap** to begin the lap time counter.
4. Tap **Stop** to stop the counter.
5. Tap **Restart** to restart the lap counter. You can have multiple lap times.
6. Tap **Reset** to reset the counter.

Setting a Timer

1. From within the **Clock** application, tap **Timer** tab.
2. Tap the **Hours**, **Minutes**, or **Seconds** field and use the on-screen keypad to enter the hour, minute, or seconds. The timer plays an alarm at the end of the countdown.
3. Tap **Start** to start the timer.
4. Tap **Stop** to stop the timer or **Reset** to reset the timer and start over.
5. Tap **Restart** to resume the timer counter.

Contacts

The default storage location for saving phone numbers to your Contacts List is your phone's built-in memory.

- From the Home screen, tap **Apps** ➔ **Contacts**.

For more information, refer to *"Contacts"* on page 53.

Downloads

Provides quick access to tabs containing a list of your current downloaded files (Internet and Other).

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Downloads**.
2. Place a checkmark on an available file to select it.
3. Choose an available action such as Share, Delete, Sort by size/date, or Clear list.

Email

Email enables you to review and create email using most email services. The device alerts you when you receive an email message.

- From the Home screen, tap **Apps** ➔ **Email**.

For more information, refer to *"Email"* on page 81.

Evernote

This application allows you to easily remind yourself of things across all of your current devices. Evernote lets you create to-do lists, take pictures, record voice memos, and write reminders to yourself. These notes are both accessible and searchable from any location that is accessible by your device.

1. From the Home screen, tap **Apps** ➔ **Galaxy Plus** ➔ **Evernote**.

Note: If prompted for an update, follow the on-screen prompts.

2. Tap either **CREATE ACCOUNT** or **SIGN IN** and follow the on-screen instructions.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the Home screen, tap **Apps** ➔ **Galaxy Plus** ➔ **Flipboard**.
2. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or caller image, and share as a picture message.

- From the Home screen, tap **Apps** ➔ **Gallery**.

Accessing Photos

The Gallery is where you can access the Gallery of stored camera images.

1. From the Home screen, tap **Apps** ➔ **Gallery**.
2. Select a folder location (ex: **Camera**) and tap an image to open it.

   – or –

   Touch and hold an image to place a checkmark beside the file and select multiple files.

   – or –

   Tap the upper-right camera to begin taking pictures placed in this folder.

   – or –
3. Tap the on-screen image to use additional image menu options. For more information, refer to *“Pictures and Videos Image Viewer Options”* on page 100.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for pictures that you take on your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the picture.

1. From the Home screen, tap **Apps** ➔ **Gallery**.
2. Select a folder location and tap a file to open it.
3. With the image displayed, press and then tap **Edit**.
   - **Edit**: allows you to edit the current image. Launches the Photo Editor application.

Note: To select the picture area, touch and hold the current picture.

4. Select an image area by touching and holding the image and then selecting an available option:
   - **Selection mode**: provides several on-screen selection options such as: Select area, Inverse selection, Selection size, and Selection mode (Select area, Inverse selection, Selection size, and Selection mode).
   - **Select all**: select the entire area of the current image.
   - **Clipboard**: copies the currently selected are to your device's clipboard.
5. Use the following editor controls to edit your picture:

Previous: lets you undo the current operation.

Next: lets you redo the previous operation.

Cancel/Delete: exits the current photo editing session.

Save: stores the currently edited photo.

Rotate: allows you to rotate a photo in all 4 directions. You can also mirror image a photo.

Crop: allows you to crop (cut-out) an area of a photo.

Color: allows you to Auto adjust color, Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, and Hue of a photo.

Effects: allows you to add various effects to your photo.

Portrait: allows you to apply various face correction effects such as: Red-eye fix, Airbrush face, Face brightness, Out-of-focus, or Spot healing.

Sticker: allows you to place various pre-created on-screen stickers atop your current image.

Drawing: allows you to add draw directly on your current picture by using either a brush/pen or eraser.

Frame: places a pre-created border style atop your current image.

6. Press to access the following options:
   - **Save as**: allows you to rename your current image and save it to your gallery.
   - **Select image**: allows you to select a new image for editing.
   - **Take picture**: allows you to activate the camera and take a new image for editing.
   - **Share via**: allows you to share your saved photo via Add to Dropbox, Bluetooth, ChatON, Email, Evernote - Create Note, Flipboard, Gmail, Google+, Group Play, Hangouts, Messages, PEN.UP, Picasa, S Note, Scrapbook, or Wi-Fi Direct.
   - **Set as**: assigns the currently saved image as either a: Contact photo, Home and lock screens, Home screen, or Lock screen.

Accessing Videos

When you shoot a video, the file is saved in the Camera folder. You can view your videos immediately or view them anytime in the Camera folder.

1. From the Home screen, tap **Apps** ➔ **Gallery**.
2. Select a folder location and tap a video icon to begin video playback.
3. Tap **Play** to begin video playback.

   – or –

   Touch and hold the video icon from the main Gallery to select the video (selection indicated on-screen) and display the following video menu context options:

   - **Share via**: allows you to share the video via ChatON, Group Play, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Gmail, Google+, Messages, PEN.UP, Picasa, S Note, Scrapbook, Wi-Fi Direct, or YouTube.
   - **Delete**: allows you to delete the current video. Choose either OK or Cancel.

   – or –

   Touch and hold a listed video file to place a checkmark alongside and then press for additional options:

   – **Slideshow**: allows you to see your files in a slideshow or access the slideshow settings.

   – **Copy**: allows you to create a duplicate of the currently selected file.

   – **Move**: allows you to move a selected file to a new location.

   – **Create video clip**: allows you to edit the current video, apply effects, and create a new video. Create video clips from your pictures. Select pictures from your album, select “create video clip”, choose one of the themes and save.

   – **Hide items**: allows you to hide selected items.

   – **Show hidden items**: allows you to show selected items that were previously hidden.

   – **Rename**: allows you to rename the filename of the currently selected video.

   – **Details**: displays video file information.

   – or –

With the video displayed on-screen (but not playing), press [Menu] for additional options:

- **Favorite**: tags the current video as a favorite file.
- **Slideshow**: create a new on-screen slideshow.
- **Rename**: allows you to rename the filename of the currently selected video.
- **Details**: displays video file information.
- **Settings**: provide access to the Galley settings page. From this page you can configure the SNS data management and Tag options.

Pictures and Videos Image Viewer Options

After you take a photo or record a video, you can access various options.

Photo viewing options

1. Tap a thumbnail to view the picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

2. The following options are available at the top of the screen:
   - **Change player** : allows you to select a different AllShare/Samsung Link device from your available list.
   - **Share via** : allows you to share the picture via ChatON, Group Play, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Flipboard, Gmail, Google +, Hangouts, Messages, PEN.UP, Picasa, S Note, Scrapbook, Sketchbook for Galaxy, and Wi-Fi Direct.
   - **Edit** : (in Landscape mode) allows you to edit the current image. Launches the Photo Editor application. For more information, refer to *"Editing a Photo"* on page 109.

- **Delete** : allows you to delete the current picture.

3. Press for additional options such as:
   - **Edit**: (in Portrait mode) allows you to edit the current image.
   - **Favorite**: allows you to assign the current image as a favorite.
   - **Slideshow**: allows you to see your photos in a slideshow.
   - **Photo frame**: takes the current image and creates a surrounding photo frame that can be edited with edited text or drawn object, then saved.
   - **Photo note**: allows you to write notes on your current image and then save it.
   - **Signature**: allows you to edit the current image using the photo editor.
   - **Copy to clipboard**: allows you to copy one or more pictures to a different folder.
   - **Print**: allows you to print the current image on a compatible Samsung printer.
   - **Rename**: allows you to rename the current file.
   - **Buddy photo share**: allows you to share the current image with active ChatON buddies.
   - **Rotate left**: allows you to rotate the view of the current image in a counterclockwise direction.
   - **Rotate right**: allows you to rotate the view of the current image in a clockwise direction.
   - **Crop**: provides an on-screen box that allows you to crop the current picture. Tap **Done** to update the image with the new dimensions or tap **Cancel** to ignore any changes.
   - **Set as**: allows you to assign the current image as a Contact photo, Home screen, Lock screen, or Home and lock screens.
   - **Details**: files details such as Title, Time, Width, Height, Orientation, File Size, and Path.
   - **Settings**: provides access to the Gallery options menu. Choose from SNS data management (Sync only via Wi-Fi), Tags (Tag buddy or Face tag), and Sound & shot (Auto play sound).

Video viewing options

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap ▷ to play the video.
   - **Share via** : allows you to share the video via ChatON, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Gmail, Google+, Messages, Picassa, S Note. Scrapbook, Wi-Fi Direct, or YouTube.
   - **Trim** : activates the Trim feature so that you can edit the length of the current video.
   - **Delete** : allows you to delete the current video. Choose either **OK** or **Cancel**.
3. Press for additional options.

Gameloft

This application lets you preview and download great mobile games for your device.

1. From the Home screen, tap **Apps** ➔ **US Cellular** ➔ **Gameloft**.
2. Follow the prompts.

Gmail

Google Mail (Gmail) is a Web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account.

Creating a New Google Account

You should create a Google™ Account when you first use your device in order to fully utilize the functionality. This account provides access to several device features such as Gmail™, Hangouts™, and the Google Play Store™ applications. Before you are able to access Google applications, you must enter your account information. These applications sync between your device and your online Google account.

Signing into Your Google Account

1. Launch an application that requires a Google account (such as Play Store or Gmail).
2. Click **Existing**.
3. Tap the **Email** and **Password** fields and enter your information.
4. Tap **Sign in**. Your device communicates with the Google servers to confirm your information.
5. If prompted, you can enable the option to stay up to date on news and offers, then tap **OK**.

Creating an Additional Gmail Account

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Gmail**.
2. Press **Menu** and then tap **Settings** ➔ **ADD ACCOUNT** and follow the same steps as referenced in the previous section. For more information, refer to *"Signing into Your Google Account"* on page 115.

Google

Use Google Search to search the Web.

- From the Home screen, tap **Apps** ➔ **Google** ➔ **Google** and enter the search text.

  – or –

  Tap on the Google Search bar and say the search information.

Google Settings

As Google has become more intertwined with other applications, this menu provides a quick and ready access point to configure preferences for Google+, Maps & Latitude, Location, etc.. You can also use the Search function to initiate a Google Search from this menu.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Google Settings** and select an on-screen option.
2. Select one of the available on-screen options.
3. Follow the on-screen prompts.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account.
2. From the Home screen, tap **Apps** ➔ **Google** ➔ **Google+**.
3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit www.google.com/mobile/+/ for more information.

Group Play

This application lets you share documents, photos or music in real-time with other connected friends.

Note: Group play is not the same as Screen Mirroring which requires a connection to a Wi-Fi capable Samsung TV or using the AllShare Cast Hub.

Important! To share a Group Play, all users must be connected to the same Wi-Fi access point.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Group Play**.
2. Read the on-screen Disclaimer information and tap **Agree** to continue.
3. Follow the on-screen tutorials.

Creating a group

If you have media you want to share, create a group for other users to join to and then share/collaborate with what you are sharing.

The creator of the group is the leader and it the source of the shared file. All other joined members can then interact with the file being shared.

1. Connect to an active Wireless Access Point and confirm your other participants are also connected to this same Wi-Fi.
2. From within the Group Play application, tap the **Set group password** field to enable the function which requires users to enter a password prior to connecting to your new group.
3. Tap **Create group**. If previously selected, enter your group password and tap **OK**. Mobile AP is enabled.
4. Tap one of the media items listed under the **Share and play content** heading.
5. Tap to select the items you want to share (indicated by a checkmark), then tap **Done** or **OK**.
6. Have your friends sign onto Group Play from their devices (see below) and they can view your media using you as a Mobile AP.

Joining a group

A joiner is the participant of an already created group. You can only view and interact with media shared by the leader of an existing group.

1. Connect to an active Wireless Access Point and confirm your connection is this same Wi-Fi as the group leader.
2. From within the Group Play application, tap **Join group**. Your device then scans for available groups for you to join.
3. Select a group to join. Once connected, you can then select the shared content and interact with your group's shared media.
4. Press **Menu** and select **Help** for additional information.

Using Group Play to Share Videos using Split Screens

1. Connect to an active Wireless Access Point and confirm your connection is this same Wi-Fi as the group leader.
2. From within the Group Play application, tap **Create group**. If previously selected, enter your group password and tap **OK**.
3. Before continuing, have all users launch their respective Group Play application and connect to your new group.

Important! Once users begin to connect, you are notified by an on-screen pop up and the connected user indicator (01) displays the new number of connected users.

4. On your source device, tap **Share video,** select the desired video file ➔ **Done**.
5. As the video begins to play, all connected users must tap the **Share video** option within their Group Play.

Note: Without users tapping the **Share video** option, the Sharing slider is disabled and the video only displays on the device.

6. At the source device, drag the enabled Split screen slider from a single screen session ( ) to the Multi-Screen setting ( ) to span videos across multiple devices.
7. Use the on-screen number on each participant's screen to align the devices accordingly and display the same video over several different screens.

Using Group Play to Simultaneously Share Music

1. Connect to an active Wireless Access Point and confirm your connection is this same Wi-Fi as the group leader.
2. From within the Group Play application, tap **Create group**. If previously selected, enter your group password and tap **OK**.
3. Before continuing, have all users launch their respective Group Play application and connect to your new group.

4. On your source device, tap **Share music,** select the desired file ➔ **Done**.
5. As the song begins to play, all connected users must tap the **Share music** option within their Group Play.

Hangouts

Previously known as Google Hangouts™, is an updated place to hangout, share photos, and even video calls. This is a free web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

Note: Before using this application, you must first have an active Gmail account available and be currently logged in.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Hangouts**.

Note: If you are not already logged into Google, refer to the instructions for signing in on page 115.

2. When prompted, read the on-screen information and confirm your phone number is correct before using the application. Tap **Confirm**.

Note: Confirming your phone number does not make it publicly available.

Help

Provides access to built-in Help information.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Help**.
2. Select an on-screen topics for more information:
   - **New features**: provides help on all of the new features and applications such as My Magazine, Air command, Chart Builder, Direct Pen input, Scrapbook, and S Finder.
   - **Basics**: provides basic information on using your device.
   - **Applications**: provides information on how to use basic applications like Contacts, Email, S Note, Internet, Camera, etc.

- **Settings**: provides information on settings for Wi-Fi, Bluetooth, Portable Wi-Fi hotspot, Ringtone, Power saving mode, NFC, Screen Mirroring, Voice control.
- **Online help**: provides more detailed online help for additional questions you may have.

Internet

Open the browser to start surfing the Web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone.

Your device is equipped with a Google browser to navigate the mobile Web. This section explains how to navigate the browser and use the basic features.

Accessing the Internet

To access the Browser:

- From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Internet**.

KNOX

Samsung KNOX is a comprehensive enterprise mobile solution for use with both work and play. This application must be downloaded to the device before use.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **KNOX**.
2. Tap **OK** and follow the on-screen instructions.

Maps

Google Maps allow you to track your current location, view real-time traffic issues, and view detailed destination directions. There is also a search tool included to help you locate places of interest or a specific address. You can view locations on a vector or aerial map, or you can view locations at the street level.

Important! Before using Google Maps you must have an active data (3G/4G/LTE) or Wi-Fi connection. The Maps application does not cover every country or city.

- From the Home screen, tap **Apps** ➔ **Maps**.

Important! For best results, it is recommended that you enable all of your location services. For more information, refer to *"Location services"* on page 187.

Enabling a Location source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

Important! The more location determining functions are enabled, the more accurate the determination is of your position.

1. From the main **Settings** page, tap **Connections** tab ➔ **Location services**.
2. Tap **Access to my location** to enable sharing your location with requesting applications.
3. Tap **Use GPS satellites** to enable the GPS satellite.
4. Tap **Use wireless networks** to allow apps to use data from sources such as Wi-Fi and mobile networks to provide a better approximation of your current location.
5. Tap **My places** to enable the storage of your favorite locations.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Opening Maps

1. From the Home screen, tap **Apps** ➔ **Maps**.
2. Tap the upper-right My location button to find your location on the map with a blinking blue dot.
3. Locate the bottom row of the buttons to access additional options.

Messages

This application allows you to use the Short Message Service (SMS) to send and receive short text messages to and from other mobile phones.

You can also use the Multi Media Service (MMS) to create multimedia messages to send and receive from other mobile phones.

- From the Home screen, tap **Apps** ➔ **Messages**.

For more information, refer to *"Text and Multimedia Messaging"* on page 77.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your device.

1. Sign on to your Google account.
2. From the Home screen, tap **Apps** ➔ **Google** ➔ **Messenger**.

   – or –

   From the Google+ application, select **Messenger**.

Mobile Data Security

The U.S. Cellular® Mobile Data Security App provides a comprehensive mobile security, privacy, and recovery solution to keep your data safe and secure in the event of a lost or stolen phone.

1. From the Home screen, tap **Apps** ➔ **US Cellular** ➔ **Mobile Data Security**.
2. Follow the prompts.

Mobile TV

With Mobile TV from U.S. Cellular, get live, on-demand and downloadable television delivered to your phone.

- From the Home screen, tap **Apps** ➔ **Mobile TV**.

MobiTiles

Flip through a photo-based new application called mobiTiles© to view news, tech updates, entertainment scoops and sports scores. Tap or flip through the tiles that continuous update.

1. From the Home screen, tap **Apps** ➔ **US Cellular** ➔ **MobiTiles**.
2. Follow the prompts.

Music

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. From the Home screen, tap **Apps** ➔ **Music**.
2. Tap a library category tab to select the music category: **Songs**, **Playlists**, **Albums**, **Artists**, **Music square**, or **Folders**.
3. Scroll through the list and tap an entry to begin playback.

Note: The 5.1 channel sound effect works when earphones or sound is connected through the headset jack only.

4. Use any of the following Music player controls:

Pause the song.

Start the song after pausing.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to
go to next song.

Volume control and SoundAlive.

Volume control showing volume muted.

Plays the entire song list once.

Replays the current list when the list ends.

Repeats the currently playing song.

Shuffles the current list of songs randomly.

Songs play in order and are not shuffled.

Lists the current playlist songs.

Returns the user to the music category screen.

Assign the current song as a Favorite.

Streams the current music file to another device via Samsung Link.

Create a Music Ringtone

1. From within the **Music** application, tap the **Songs** tab.
2. Touch and hold a song from the list to reveal the on-screen context menu.
3. Tap **Set as** ➔ **Phone ringtone**.
4. Choose a starting point for the ringtone to start playing from. Select either **From the beginning** or **Auto recommendations** (you can allow the application to choose the best part to start from).

Note: Additional Set as options include **Caller ringtone** and **Alarm tone**.

Music Options

The Music settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

- With the application displayed and playing a song, press [Menu] **Menu** and select one of the following options:
  - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
  - **Play via Group Play**: allows you to share music with others via the Group Play application. All users must be connected to the same Wi-Fi. For more information, refer to *"Group Play"* on page 116.
  - **Add to playlist**: allows you to add the current music file to a selected playlist.
  - **Set as**: allows you to set the current song as a Phone ringtone, Caller ringtone, or Alarm tone. Additionally you can either choose to start the selected song from the beginning or allow the application to automatically recommend a start point.
  - **Scan for nearby devices**: allows you to look for DLNA - compliant devices used to control streaming media.
  - **Settings**: allows you to change your music player settings.
  - **Details**: allows you to view media info such as Artist, Title, Album, Track length, Genre, Track number, Format, Size, and Location.
  - **End**: closes the application.

Music Settings

The settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From within the **Music** application, press [Menu] **Menu** → **Settings**.
2. Select one of the following settings:
   - **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.

- **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
- **Adapt Sound**: enable or disable the adaptive sound feature to adjust to the sound levels of your current environment.
- **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
- **Music auto off**: when enabled, sets a timer for the Music application to automatically turn off after a pre-selected amount of time.
- **Lyrics**: when activated, the lyrics of the song are displayed if available.
- **Smart volume**: when activated, automatically adjusts each track's volume to an equal level.
- **Voice control**: when activated, allows you to use voice control commands to control the music player.

Using Playlists

Playlists are used to assign music files into groups for playback. These Playlists can be created using the Music player on this device, or using a third-party application (such as Windows Media Player) and downloading those files to an SD card inserted into the device.

Creating a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Press **Menu** and then tap **Create playlist**.
3. Backspace over the default playlist title and type a new name for this playlist, then tap **OK**.

Adding Music to a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the playlist name in which to add music.
3. Tap **Add music**. This option is available within user-created playlists.

Note: If a playlist is empty, add a song by touching a holding a song name from the main screen to open the context menu. Select **Add to playlist** and choose the playlist.

---

4. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the playlist name in which to delete music.
3. Touch and hold a song to reveal the on-screen context menu.
4. Tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also share, delete, or rename the playlist.

Note: Only those playlist you have created can be edited. Default playlists can not be renamed.

1. From within the **Music** application, tap the **Playlists** tab.
2. Touch and hold a playlist entry to reveal the on-screen context menu.
3. Tap **Edit title**.
4. Enter a new name for this playlist and tap **OK**.

Transferring Music Files

Music files can be downloaded to the phone using one of two methods:

1. Downloaded to the device from the Play Store. Music files are directly stored on your phone.
2. Downloaded to the phone via a direct USB connection. Music files are stored into a Music folder on the SD card.

Removing Music Files

1. From within the **Music** application, tap the **Songs** tab.
2. Touch and hold a song entry to reveal the on-screen context menu.
3. Tap **Delete** ➔ **OK.** The music file(s) is deleted.

My Files

This application allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. This application allows you to launch a file if the associated application is already on your phone (ex: MP4).

- From the Home screen, tap **Apps** ➔ **Samsung** ➔ **My Files**.

Note: Navigation in this viewer works on a hierarchy structure with folders, subfolders, etc.

Note: The application lets you view supported image files and text files on both your internal storage and microSD card.

Opening and Navigating within Files

DCIM is the default location for pictures or video taken by the device. These files are actually stored in the DCIM folder location.

To open files:

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **My Files**.
2. Tap a folder and scroll down or up until you locate your selected file.

Home tab
allows you to back up to the root directory.

Up tab
allows you to back up into a higher directory.

3. Press **Menu** and then tap **View as** to change the way the files are displayed on-screen. Choose from: **List**, **List and details**, or **Thumbnail**.
4. Press **Menu** for these additional options: **Select all**, **Create folder**, **Sort by**, **Add shortcut**, and **Settings**.

To navigate:

1. Tap **All files** ➔ **Device storage/SD memory card** to see the contents of either device or your internal SD card.
2. The following folders may display:
   - **Alarms**: this folder contains any alarm files you may have.
   - **Android**: the Android folder stores files that are used in Android applications.
   - **Application**: this folder contains app info for S Note.
   - **Bluetooth**: this folder stores files sent via a Bluetooth device.
   - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** ➔ **Camera** to view the picture or video files.
   - **Download**: this folder contains downloads you have made.
   - **Movies**: this folder contains your Video and Movie files.
   - **Music**: this folder contains your Music files.
   - **Notifications**: this folder contains all of the notifications you have received.
   - **Pictures**: this folder contains your photos.
   - **Ringtones**: this folder contains any ringtones you have purchased.

Note: Different folders may display depending on how your phone is configured.

3. Once you have located your file, tap the file name to launch the associated application.

My Magazine

Enjoy all of your available updates in a single place. My Magazine recommends content, information, and applications within a single location.

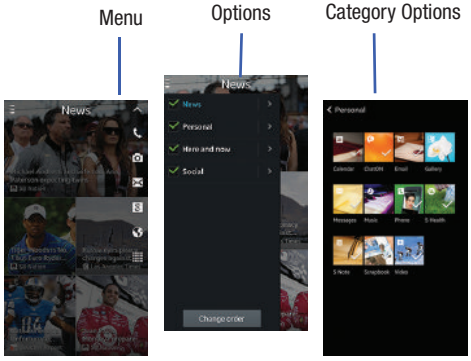
1. From the Home screen, press the Home key.

   – or –

   From the Home screen, swipe up from the bottom of the screen.
2. Tap **Next**, read and agree to the Terms of Use, and then tap **Start**.

Navigating My Magazine

1. Scroll up or down to view more content.
2. Swipe left or right to move among the previous or next page.
3. Tap an available tile to view more details.



Changing Received Content

1. Tap (**Menu**) to view available options.
2. Tap (**Options**) to select or deselect content assigned to each page.

PEN.UP

This Samsung application allows you to join a an online community, fallow your favorite artists, show off your artwork, and connect with other artists.

This community brings together anyone that uses the S Pen to draw, sketch, scribble or paint. Share pictures, comment on other creations, or just browse through the pages for something to add to your personal collection.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **PEN.UP**.
2. From the main screen tap either **Sign up** or **Explore Pennable**.
3. Follow the on-screen instructions.

Phone

This application provides the ability to make or answering calls, access the Contacts list, which is used to store contact information.

- From the Home screen, tap **Phone**.

For more information, refer to *"Calling"* on page 63.

Play Books

Formerly known as Google Books, this application allows you to read over 3 million ebooks on the go.

Build your ebooks library in the cloud with Play Books: jump right into a bestseller or select from nearly 3 million free ebooks. Personalize the reader to your liking, pick up reading where you left off on your phone or computer, and settle down with a great book on your Android phone!

Note: You must logged into your Google account prior to using this feature.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Play Books**.
2. If prompted, tap **Turn sync on**. This synchronizes your books you have previously selected between your Books account and your device.
3. Tap to begin searching for both free and paid ebooks.
4. Follow the on-screen prompts to download the ebook to your device.

Play Games

This applciation navigates to the Play Store Games area so you can purchase games.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Play Games**.
2. Tap **Accept to** accept the Mobile terms of service for Google+.
3. Select from the displayed options: Play Now, My Games, and more.

Play Magazines

With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your device at any time or any place.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Play Magazines**.
2. Log on to your Google account if you have not already done so. For more information, refer to *"Signing into Your Google Account"* on page 115.
3. Follow the prompts to download magazines.

Play Movies & TV

This application allows you to connect to the Play Store, download a movie and then watch it instantly.

Choose from thousands of movies, including new releases and HD titles in the Play Store and stream them instantly on your Android device.

Movies, previously rented via the Play Store are automatically added to your My Movies library across your devices.

Learn more about Google Play Movies at: http://play.google.com/about/movies.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Play Movies & TV**.
2. Log on to your Google account if you have not already done so. A list of videos sorted on the SD card displays in the Video list.
3. Following the on-screen instructions for renting and viewing movies.
4. Tap the **MOVIES** tab to view movies you have rented.
5. Tap the **TV SHOWS** tab to view shows you have rented.
6. Tap the **PERSONAL VIDEOS** tab to view movies you have on your device or memory card.

For more information on using the Picture-in-Picture feature for video playback, see *"Using Picture-In-Picture"* on page 154.

Play Music

Also known as Google Music, allows you to browse, shop, and playback songs purchased from the Play Store. The music you choose is automatically stored in your Google Music library and instantly ready to play or download.

- Access the new music tab from within your Play Store application.

The Music application contains a music player that plays music and other audio files that you copy from your computer.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Play Music**.

   The Music app searches both your online library and your device's internal storage for music and playlists; this can take from a few seconds to several minutes, depending on the amount of new music added since you last opened the application. It then displays a carousel view of your new and recent music, organized by album.

2. If prompted, follow the on-screen instructions to link your current account to Google Play Music.
3. Tap an on-screen account to add it or select **Add account** to use a new account.
4. At the free songs screen, select either **Get free songs** or **Skip**.
   - Get free songs are downloaded via either the Internet or Play Store.
   - Follow the on-screen download and installation instructions.
5. Swipe left or right to browse through your new and available music. Music, albums, and artists are grouped into categories.
6. Tap an on-screen album to open it and begin playback.
7. Return to the Library screen from most other screens in the Music application by tapping the Music application icon **Music notification icon** at the top-left of the Application bar.

Play Store

Formerly known as the “Android Market”, this application provides access to downloadable applications and games to install on your phone. The Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store, you must have a Google Account.

Accessing the Play Store

1. From the Home screen, tap **Apps** ➔ **Play Store**.
2. Tap **Existing** and enter your Google account information.
3. Tap **Accept** to agree to the Play Store terms of service.

Downloading a New Google Application

To download a new application, you will need to use your Google account to sign in to the Play Store. The home page provides several ways to find applications. The home page features applications and includes a list of item applications by category, a list of games, a link to search, and a link to My apps.

1. From the Home screen, tap **Apps** ➔ **Play Store**.
2. Browse through the categories, find an application you're interested in, and tap the name.
3. Read the application descriptions.

Important! If the selected application requires access to data or control of a function on your device, the Play Store displays the information the application will access.

Tap **OK** if you agree to the conditions of the application. Once you tap **OK** on this screen you are responsible for using this application on the device and the amount of data it uses. Use this feature with caution.

4. Tap **INSTALL** ➔ **ACCEPT**.

Note: Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

5. If prompted, follow the on-screen instructions to pay for the application.
6. Check the progress of the current download by opening the Notifications panel. The content download icon displays in the notification area of the status bar.

7. On the main Play Store screen, press and then tap **My apps**, tap an installed application in the list, and then tap **Open**.

Note: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

Launching an Installed Google Application

1. From the Home screen, tap **Apps**.
2. Tap the newly installed application. This application is typically located on the last Applications page.

Unknown sources

This feature can be used for Android application development. The feature allows developers to install non-Play Store applications.

- From the main **Settings** page, tap **General** tab ➔ **Security** ➔ **Unknown sources**.
  Unknown sources displays a check mark to indicate it is active.

Note: If Unknown sources is disabled, those applications without a certificate are not allowed to download to your device.

Manage applications

This feature allows you to manage and remove installed applications. You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your device and clear the data, cache, or defaults.

- From the main **Settings** page, tap **General** tab ➔ **Application manager**.

Clearing application cache and data

1. From the main **Settings** page, tap **General** tab ➔ **Application manager**.
2. Tap an application in which to clear the cache or data.
3. Tap **Force stop**, **Uninstall, Clear data**, **Clear cache**, or **Clear defaults**.

Uninstalling third-party applications

You can uninstall any application you downloaded and installed from the Play Store.

1. From the main **Settings** page, tap **General** tab ➔ **Application manager** ➔ **DOWNLOADED**.
2. Tap the third-party application, and from the **App info** screen, tap **Uninstall**.

POLARIS Office 5

Polaris Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap **Apps** ➔ **Galaxy Plus** ➔ **POLARIS Office 5**.
2. From the Registration screen, enter your Email information (if desired) and tap **Register** to complete the process.

   – or –

   Tap **Skip** to ignore this registration. The main Polaris Office screen displays.
3. Follow the on-screen instructions to use Polaris Office.

S Health

S Health is a wellness application that allows you to better manage your health by providing you with relevant information.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, see *"Accounts"* on page 52.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **S Health**.
2. Read the introduction and tap **Start**.
3. Read the Terms and conditions information, place a checkmark in the **Agree** checkbox.
4. Tap **Next**.
5. Enter your personal information, then tap **Next**.
6. Follow the on-screen instructions to use S Health.
7. Press **Menu** and then tap **Help** for more detailed information.

Before You Start Exercising

This app can be used to monitor your exercise. While moderate physical activity, such as brisk walking, is safe for most people, health experts suggest that you talk with your doctor before you start an exercise program, particularly if you have any of the following conditions:

- Heart disease;
- Asthma or lung disease;
- Diabetes, or liver or kidney disease;
- Arthritis.

You should also check with your doctor if you have symptoms suggestive of heart, lung, or other serious disease, such as:

- Pain or discomfort in your chest, neck, jaw, or arms during physical activity;
- Dizziness or loss of consciousness;
- Shortness of breath with mild exertion or at rest, or when lying down or going to bed;
- Ankle swelling, especially at night;
- A heart murmur or a rapid or pronounced heartbeat;
- Muscle pain when walking upstairs or up a hill that goes away when you rest.

Finally, the American College of Sports Medicine recommends that you see your doctor before engaging in vigorous exercise if two or more of the following apply:

- You are a man older than age 45 or a woman older than age 55;
- You have a family history of heart disease before age 55;
- You smoke or quit smoking in the past six months;
- You have not exercised for three months or more;
- You are overweight or obese;
- You have high blood pressure or high cholesterol.
- You have impaired glucose tolerance, also called pre-diabetes.

When in Doubt - Check it Out

If you are unsure of your health status, have several health problems, or are pregnant, you should speak with your doctor before starting a new exercise program. Working with your doctor ahead of time is a good way to plan an exercise program that is right and safe for you. Consider it the first step on your path to physical fitness.

S Note

Use this application to create notes with productivity tools that turn handwriting into typed text and correct drawn shapes, lines, and formulas to make them perfect.

1. From the Home screen, tap **S Note**.
2. Tap **Start** and follow the on-screen instructions.

S Translator

Allows you can easily translate words and phrases (verbal or text messages) into many different languages.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, see *"Accounts"* on page 52.

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1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **S Translator**.
2. If prompted, follow the on-screen instructions to log into your Samsung account.

To translate text:

1. At the S Translator screen, tap the top language bar to select your target/source language. Default is Spanish.

2. Tap the bottom language bar to select the destination language that you would like to translate to. Default is English (US).
3. Enter text into the top box and it will automatically be translated into the lower box.
4. Tap the selected **Translate** button within the bottom field. The top target language field is then updated with the new translation.

To translate using your voice:

Important! The two on-screen buttons at the bottom of the application correspond to the two currently selected languages.

1. At the S Translator screen, tap the left voice button to verbally speak the selected language (corresponds to top field).
2. Wait a few seconds until the on-screen notification shows “Speak in...” then speak using the selected language.
3. Within a few seconds, confirm the translated text now displays in the other translation field.
4. Tap the selected **Speak** button to translate using your selected input language and voice.
   - Example, if trying to speak in English and get a Spanish translation, tap the **Speak (English (US))** button and wait for the text to display on-screen.
5. Press **Menu** for additional options. Choose from: TTS readout speed, Auto readout, and Help.

S Voice

Launches your phone's built-in voice recognition system that allows you to initiate several common tasks without having to touch the device.

This is a voice recognition application used to activate a wide variety of functions on your device. This is a natural language recognition application.

This goes beyond the Google Search Voice Actions feature that simply recognizes Google commands and search terms. You can ask questions (Is it raining in Dallas?) or give voice commands (Show me where to find cheap gas).

- From the Home screen, tap **Apps** ➔ **Samsung** ➔ **S Voice**.

Using S Voice

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **S Voice**.
2. Read the on-screen disclaimer information and tap **Confirm** to continue.
3. Review the Terms of Service and tap **Agree** to continue.
4. Navigate through the following on-screen tutorial screens by reading the information and tapping **Next**, or tap **Skip** to continue without reading the information.
5. Wake up the application by repeating the phrase **Hi Galaxy**.

Note: The wake-up command/phrase can be changed from "Hi Galaxy" to anything else.

6. Tap **Speak** if the device does not hear you or say a command.

Samsung Apps

Allows you to easily download an abundance of applications that are directly compatible with your device. This includes games, news, reference, social networking, navigation, and more. Samsung Apps makes your Smartphone smarter.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, see *"Accounts"* on page 52.

1. Confirm you are currently signed into your Samsung account.
2. From the Home screen, tap **Apps** ➔ **Samsung Apps**.
3. If prompted, read the Disclaimer, Terms and conditions, and Privacy policy and tap **Accept**.
4. Follow the on-screen instructions.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. With hundreds of titles available, entertaining your family on-the-go has never been easier. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

Note: Samsung Hub usage is based on service availability.

You must have an active Samsung Account to purchase and rent content via Samsung Hub.

Important! You must be using an active Wi-Fi/4G/LTE connection to preview and download a media file. The internal memory acts as a storage location for your downloaded rental or purchase.

Creating a New Samsung Hub Account

Before you can rent or buy media, you must first create an account. Enter the required information.

Important! The Samsung account manages the access information (username/password) to several applications, such as Samsung Link, Chat On, and Samsung Hub.

1. Confirm you have already logged in to your Samsung account.
2. From the Home screen, tap **Apps** ➔ **Samsung Hub**.
3. When prompted to connect via mobile networks, select either **Cancel** or **Connect**.
4. If notified your Samsung account is not yet active or verified, tap **OK**. You must be signed in to your Samsung account to use the application's various features.

Tip: In some cases it might be necessary to sign in to your Samsung account via the application.
Press **Menu** and then select **Sign in**.

Note: Your Samsung Hub account is managed by the Samsung account application. This application manages your user profile information.

Using Samsung Hub

The main Samsung Hub screen provides an overview of all the available categories on one page such as: Music, Video, Books, and Games. The overview page also displays recently added media that you can rent or purchase.

1. From the Home screen, tap **Apps** ➔ **Samsung Hub**.
   - The **OVERVIEW** screen (landing page) displays an main access for all available categories and recently available content for purchase or rental.
2. Scroll across the screen to select from the following available pages:

- **MUSIC**: displays featured Music content available for purchase/stream from the Music store & Radio. This page also allows you to search for new content, or navigate directly to the Music store page by clicking on the "Music" link at the top of the page.
- **VIDEO**: displays featured film and TV content available for purchase/rent from the video store. This page also allows you to search for new content, or navigate directly to the Movie & TV store page by clicking the "Video" link a the top of the page.
- **BOOKS**: displays featured Book content available for purchase from the Book store. This page also allows you to search for new content, or navigate directly to the Book store page by clicking the "Books" link a the top of the page.
- **GAMES**: displays featured Game content available from the Game store. This page also allows you to search for new content, or navigate directly to the Game store page by clicking the "Games" link a the top of the page.

3. To purchase or view featured content in more detail, tap on any content (Thumbnail or text) to navigate to the product detail page.
4. Depending on the content, you can either purchase, rent, or stream the content directly from the product detail page.
5. Choose a payment method, then follow the on-screen instructions.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or "the service") that are also registered to the same account.
- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
    - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
    - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).
- Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output. (4/1/2013)

Samsung Link

This application wirelessly synchronizes your Samsung mobile phone with your TV, streams content and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung's Samsung Link makes staying connected easy.

Allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Important! The Samsung account manages the access information (username/password) to several applications, such as Samsung Link.

AllShare/Samsung Link Definitions:

Samsung Link/ AllShare Play	This new feature builds on the previous AllShare Play functionality. It includes features such as Web storage integration and social networking integration. This is a Web service that requires using a Samsung account.
Group Play	A subset feature of Samsung Link, this allows you to mirror photos and multimedia presentations with other members of your current Wi-Fi group. Users must be on the same Wi-Fi and provide an access code to join the group.
AllShare Cast (with Hub accessory)	This feature functions with an external AllShareCast Hub to fully mirror what is currently displayed on your device to the external TV.

Important! You must connect both of your communicating devices to the same Wi-Fi and use an active/registered Samsung account prior to using this application.
For more information, refer to *"Wi-Fi settings"* on page 181.
For more information, see *"Accounts"* on page 52.

The Samsung account manages the access information (username/password) to several applications, such as Samsung Link.

1. Confirm you have already logged in to your Samsung account.
2. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Samsung Link**.
3. If prompted with an on-screen notification about no Wi-Fi detected, tap **Cancel** (to continue by using your network connection) or **Connect** to continue.
4. Tap **Sign in**.
5. If prompted to log into your Samsung account, tap **Sign in** and follow the on-screen instructions.

Note: If the main screen still shows a Sign in box, close the application and restart it.

6. Follow the on-screen prompts.

7. Tap to display the DEVICES & STORAGE list, scroll down the screen. The DEVICES & STORAGE list contains two separate streaming media options:
   - **Registered devices** allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.
   - **Registered storage**: allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.

Configuring Samsung Link Settings

The Samsung Link™ application must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

8. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Samsung Link**.
9. Press **Menu** and then tap **Settings** and configure the following settings as desired:
   - **Registered storage**: allows you to add a Web storage location. Without a storage service/location added, you cannot use Samsung Link.
   - **Save to**: allows you to save your media to your Internal memory memory or to an SD card.
   - **Auto upload**: allows you to enable automatic upload of images from your device to those storage locations specified within the Web storage list. Move the slider to the on position to activate the feature.
   - **Video optimization**: allows you to setup the video quality for streamed video content. Move the slider to the on position to activate the feature.

- **Password lock**: allows you to restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Move the slider to the on position to activate the feature.
- **About this service**: displays application information.

Setting Up Web Storage

Web storage services allow you to use storage space to store your files and share them on the "Cloud".

Note: If you are using another Web storage service, log into that service first before using Samsung Link.

10. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Samsung Link**.
11. Tap ➔ **Add storage**.

Note: When adding storage, an N Drive is added.

12. Choose from: Dropbox, or SkyDrive.

    – or –

    Press **Menu** and then tap **Settings** ➔ **Registered storage** ➔ **Add storage**.
13. Follow the on-screen instructions to register or log into your cloud service.
14. Once the process is successfully completed, the Web storage icon or name displays in the Web storage area of the main screen.

15. From the main screen, select a connected device and then tap on the media that you would like to share.
    - A file with (N) in the upper-left indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.

To de-register Web storage service:

1. From the Samsung Link application, press **Menu** and then tap **Settings** ➔ **Registered storage**.
2. Select **Delete** ➔ **Delete**.
3. Select a current storage service and tap **OK**.

Sharing Media via Samsung Link to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch AllShare Play/Samsung Link on the target device (such as an Internet TV, Samsung Tablet, etc..).
2. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Samsung Link**.

Note: You must be signed in to your Samsung Account before you can use this feature.

3. Tap and select your device name from the **Registered devices** area.
4. Tap an available category tab (Pictures, Music, Movies, Files, or Info) and select a file.
    - A file with (N) in the upper-left indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.

5. Tap an available on-screen file, image, or video to place a green check mark alongside it.
6. Tap **Stream to connected devices** and select an available target device to begin streaming.
7. On a target device (ex: Internet TV) select the on-screen **Allow** button to continue.

Note: At this stage your device is requesting access to share media with the external source.

8. Confirm **Samsung Link Controller enabled** displays in the Notification area at the top of the device to indicate you are using your device as the media source.

Scrapbook

This application allows you to combine documents, images, and music into a digital scrapbook.

1. From the Home screen, tap **Apps** ➔ **Scrapbook**.
2. Tap **Start** and follow the on-screen tutorials.

Settings

This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

- From the Home screen, tap **Apps** ➔ **Settings**.
  – or –
  From the Home screen press **Menu** and then tap **Settings**.

For more information, refer to *"Settings"* on page 179.

SketchBook for Galaxy

This application allows you to explore your imagination through sketches using Autodesk SketchBook application and S Pen.

1. From the Home screen, tap **Apps** ➔ **Galaxy Plus** ➔ **SketchBook for Galaxy**.
2. Follow the on-screen tutorials.

Slacker

Slacker offers free, internet radio for mobile phones.

1. From the Home screen, tap **Apps** ➔ **US Celluar** ➔ **Slacker**.

Important! You must register and create a free account prior to using this service.

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2. Begin selecting music.

Story Album

With Story Album, you can create a digital Album of your story in media. Special moments display on a timeline, and if you wish, you can have your album published as a hard copy.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **Story Album**.
2. Read the introductory information and tap **Next**.
3. Tap **Start** to begin your Story Album.
4. Follow the on-screen instructions.
5. Press **Menu** and then tap **Help** for additional information.

TripAdvisor

With the TripAdvisor, you can plan and have your perfect trip. With over 75 million reviews and opinions by travelers, it is easy to find the best hotels, restaurants, and fun things to do.

1. From the Home screen, tap **Apps** ➔ **Galaxy Plus** ➔ **TripAdvisor**.
2. Sign in with your Samsung Account if you have not already done so.
3. Follow the on-screen instructions to use TripAdvisor.
4. Press **Menu** for additional options.

Video

The Video player application plays video files stored locally.

Using Video

The Video application plays video files stored on the SD card. This device is able to playback DivX videos.

1. From the Home screen, tap **Apps** ➔ **Video**. A list of available videos displays in the Video list.
2. Tap a video file to begin viewing.

Sharing Videos

1. From the Home screen, tap **Apps** ➔ **Video**. After a few seconds, each on-screen video begins to cycle through a preview of the first five seconds of the clip.
2. Press **Menu** and then tap **Share via**.
3. Select either individual videos or tap **Select all**.
4. Press **Menu** and then tap **Done** to complete the process or **Cancel** to quit.
5. Select a sharing option. Choose from: Add to Dropbox, Bluetooth, ChatON, Email, Evernote - Create Note, Gmail, Google+, Messages, Picassa, S Note, Scrapbook, Wi-Fi Direct, or YouTube.

Additional Video Features

1. From the Home screen, tap **Apps** ➔ **Video**.
2. Press **Menu** and then tap an available option:
   - **Sort by**: allows you to sort current videos by TItle, Date, Size, or Type.
   - **View as**: allows you to display the on-scren video images as either a List, Thumbnail, or Folders.
   - **Share via**: allows you to share a selected video with external sources.
   - **Delete**: allows you to delete selected videos.
   - **Edit**: allows you to edit a selected video file.
   - **Auto play next**: sllows you to play videos consecutively. Once a video ends, the next available video begins to play.
   - **Information**: provides on-screen information about the application.
   - **Settings**: allows you to configure application functions such as: Default storage, Auto update apps, and About services.
   - **Help**: displays an on-screen set of application-related Help topics.

Using Picture-In-Picture

This feature can be used during playback of supported video types via either the Gallery, Play Videos, or Video player.

Note: Some applications might not allow this video to remain active in the foreground (ex: Camera/Camcorder screen).

This feature allows you to continue to view your video as a background operation while you multi-task and do other things, such as surf the Internet, access your Contacts list, look for a picture, etc..

1. From the Home screen, tap **Apps**.
2. Tap the desired video playback application.
3. Tap the desired video to begin playback.

Note: The Picture-In-Picture feature only works when using the Video player application. Other video players (ex: YouTube), do not support this feature.

4. As playback is initiated, locate and tap **Picture-in-Picture** from the bottom-right of the playback screen. Your current video is then sent to foreground of any new page and most application screens.
5. The video disappears from the screen once it ends.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message.

1. From the Home screen, tap **Apps** → **Samsung** → **Voice Recorder**.
2. Following are the playback controls:

Record to record an audio file.

Stop to stop recording. The file automatically saves to the Voice list.

Pause to pause the recording of an audio file.

Cancel to cancel the recording of an audio file.

Bookmark to bookmark the current recording.

List to display a list of current recordings.

Recording quality to adjust the recording quality. Choose from: Normal or High quality recording.

3. From the Recorded files page, press **Menu** and then select one of the following:
   - **Share via** and select a method in which to share this audio file. Selections are: Add to Dropbox, Bluetooth, ChatON, Email, Evernote - Create Note, Gmail, Messages, or Wi-Fi Direct. Refer to each specific section, depending on the method you selected to send this voice recording.
   - **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.
   - **Change category**: allows you to assign the currently selected recording to a user-created category entry.
   - **Sort by**: allows you to sort the current list by either: Date (most recent), Date (oldest), Name, or Category.
   - **Search**: allows you to search for key terms within the existing list.
   - **Manage categories**: allows you to existing user-created category entries.
   - **Settings**: the following settings are available:
     - **Storage**: allows you to choose where your recordings are saved. Select between Phone or memory card.
     - **Recording quality**: allows you to set the recording quality to High or Normal.
     - **Contextual filename**: (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.
     - **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.
     - **Noise reduction**: allows you to activate/deactivate background noise suppression.
     - **Logo display**: allows you to display a custom logo on the recording screen.
     - **Language**: allows you to select an available language for use with the voice memos.
     - **Channel**: allows you to assign recording mode to either Mono or Stereo.
     - **Skip interval**: allows you to assign a skip length.

- **End**: allows you to exit the application.

Voice Search

Launches the Google Now application that is used for voice to text Internet searching.

1. From the Home screen, tap **Apps** ➔ **Google** ➔ **Voice Search**.
2. When prompted, speak into the built-in microphone.
3. Use the on-screen options to find a matching search term.

VPN Client

VPN Client lets you define multiple Virtual Private Networks (VPNs) to your device and connect to them as needed by simply selecting a connection from the VPN Client list.

- From the Home screen, tap **Apps** ➔ **US Cellular** ➔ **VPN Client**.

WatchON

Important! Before initiating use, verify you have an active Internet connection available (either mobile network or Wi-Fi connection).

Note: Before beginning your initial WatchON application setup, confirm your TV is turned off.

Using WatchON

For more information, refer to www.samsungwatchon.com.

Initial Configuration

1. Sign into your Samsung account.
2. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **WatchON**.

Note: If you are not connected to an active Wi-Fi, you may be prompted to continue the set up process via a mobile network. Click **Connect** to proceed.

3. Select your desired country for your TV Guide's source listing and tap **Next**.

4. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.
5. From the **Find your TV service** screen, select a service provider from the available channel listing.
6. From the **Personalize** screen, you can either follow the on-screen prompts to personalize your desired content or tap **Skip** to continue without customizing your content.
7. Read the on-screen Peel Disclaimer agreement and tap **Agree** to complete the set up process.

Customizing Your Remote

1. From the top of the main screen, tap **Remote Control** → **Set Up Now**.
2. From the **Select your TV brand** screen, tap your TV's manufacturer name.
   - If you have a brand of TV not listed or you are using a projector, select from one of the following two options. Choose from either **Show other brands** or **I Have a Projector**.
3. Aim your device at the TV and tap **Power** to confirm the set up process completed successfully and the correct TV IR codes were selected.

Note: The process of the initial TV activation can take up to 10 seconds. Please do not press the button again.

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4. If the TV turned on, tap **Yes, this code 1 works**.

   – or –

   If the TV did not turn on after tapping **Power** and waiting 10 seconds, tap **No, test next code 2** or **Send this code 1 again**.

5. From the **Select your channel source** screen, select the entry that corresponds to your current channel control method:
   - **Set-top Box**: selected when changing channels is done via a receiver box. Channels are not changed via the TV remote but rather through the receiver/box.
   - **My xxx TV**: selected when a signal is fed directly into the TV and no box is used. Channels are changed directly on the TV by using the TV remote and not a box's remote.

Note: Try matching your current channel selection method.

6. Select the Satellite Box Brand from the available list. For example, DirectTV®.
   - If your brand does not display in the list, tap **Show other brands** and follow the on-screen instructions.

Important! You must configure your set top box for IR communication with your device. If you do not select **More Info..** below and follow the on-screen instructions you may not be able to properly use the application.

7. When prompted to Enable IR, tap **More Info** to learn how to configure your set top box to receive and respond to IR controls.
8. Only after completing the IR setup process and programming your box, press **Back**.

Note: This IR programming of your set top box is a one-time process and once successful should not need repeating.

9. If prompted to personalize your experience, follow the on-screen instructions.

Using WatchON

To change channels:

1. Sign into your Samsung account.
2. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **WatchON**.
3. From the top of the main screen, tap **Remote Control**. This launches an on-screen set of remote control tabs. Choose from one of the following:
   - **Easy remote**: provides the most common used control features. Scroll down to view additional functions.

4. Tap the bottom of the screen to access additional remote tabs Choose from one of the following:
   - **TV**: provides access to control functions specific to your TV.
   - **[Set top box]**: displays customized control specific to your configured set top box. Ex: satellite dish remote control functions.
5. From the remote screen press **Menu** and then tap **Change Room** to choose from different receivers/boxes in different rooms. Ex: Living Room box, Bedroom box, etc..
6. Press **Back** to return to the main menu.

Locating your favorite programming:

1. Sign into your Samsung account.
2. From the main WatchON screen, tap **Combined View** to reveal available media categories.
3. Select an available category.

   – or –

   Tap **Channel Guide** to display on your TV an on-screen listing of available set top box shows.
4. For additional information on the WatchON application, press **Menu** and then select **Help**.

WatchOn Settings

- From the main WatchON screen, press **Menu** and then select an available on-screen option:
  - **Change Room**: allows you to select a previously configured room.
  - **Edit channels**: allows you to add or remove channels from your custom list. Press and hold a channel number to update the channel entry.
  - **Settings**: provides access to the Samsung WatchON settings menu.
  - **About**: displays on-screen information about the application.
  - **Help**: displays on-screen help information.

Personalize WatchON

You can personalize your application to do things such as show content only from your selected media categories, or add an additional room's set top box.

To configure your Just for you settings:

The Just for you option displays available content matching your activated media categories. These categories can be configured during your initial set up or at any later time.

1. Sign into your Samsung account.
2. From the main WatchON screen, tap **Combined View → Just for you**.
3. From the **On TV** tab, press **Menu** and then select **Settings**.
4. Access parameters such as **Basic info**, **Genres** and **Sports** to then configure and enable those parameters you would like to show in the Just for you tab.

To add a new room:

Your device can be used to control boxes/receivers from several rooms. You could go from controlling your set top box in your living room and then move into your bedroom to do the same.

1. Sign into your Samsung account.
2. From the main WatchON screen, tap the **On TV** tab
3. Press **Menu** and then select **Settings → Add room**.
4. Name the new room and tap **Next**.
5. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.

Follow the steps from page 157 to complete the process.

Wi-Fi Now

Wi-Fi Now is It is an intelligent Wi-Fi connection application that is available for most Android devices and runs in the background when activated. Wi-Fi Now can automatically connect to a Curated Virtual Network (CVN) of millions of qualified public hotspots with no user action required. The CVN uses constantly updated data on location and quality to provide availability of free, public, and private Wi-Fi hotspots.

Important! Wi-Fi Now is a free application downloaded from Play Store for U.S. Cellular® Android customers only.

- From the Home screen, tap **Apps** ➔ **US Cellular** ➔ **Wi-Fi Now**.

Your Navigator

Your Navigator provides voice guided turn-by-turn directions to any destination address in the Continental U.S. In addition to turn-by-turn navigation there are other great time saving and money saving features like: Business Search, Lowest Cost Fuel Finder and current traffic conditions.

- From the Home screen, tap **Apps** ➔ **US Cellular** ➔ **Your Navigator**.

YouTube

YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format.

- From the Home screen, tap **Apps** ➔ **YouTube**.

Section 7: Connections

Connecting to a Computer

Connect your device to a computer to transfer data between your device and the computer. Use the USB cable that comes with your device, or use one of the pre-loaded apps on your device to connect wirelessly.

Transferring Data

Connect your device to a computer, via USB cable, to transfer data as a Media device using MTP (Media Transfer Protocol), or as a Camera using PTP (Photo Transfer Protocol).

1. Attach your device to the computer with a USB data cable. Your device recognizes the connection as the last connection method you used, and displays a connection alert in the Status bar and Notifications.
2. From the Home screen, sweep your finger downward to display Notifications, then touch the alert.

Note: Your phone supports USB 3.0 and USB 2.0, and includes a USB 3.0 cable for higher data transfer speeds when connected to another USB 3.0 device. You can also use USB 2.0 cables (not included) to charge and connect your phone.

3. Select a connection method:
   - **Media device (MTP)**: Transfer media files with Windows, or using Android file transfer on a Mac (see www.android.com/filetransfer).
   - **Camera (PTP)**: Transfer photos using camera software, and transfer files to computers that do not support MTP.
4. On your computer, choose a method for accessing your device. Available options depend on the programs installed on your computer.
5. Transfer files to the memory card. When finished, you can disconnect the USB cable.

Kies air

Manage content saved on your device via your desktop or mobile browser using Wi-Fi technology. The pre-loaded Kies air app connects via Wi-Fi to the Kies application, which you can install on your computer.

For more information, visit: www. samsung.com/us/kies

Note: To sync your device to a PC, it is highly recommended that you install Samsung Kies, which is available at http://www.samsung.com/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Memory Card

Your device supports removable microSD™ or microSDHC™ memory cards of up to 64GB capacity, for storage of music, pictures, videos, and other files.

By default, files that you download, or that you create with your device, such as pictures and videos you capture with Camera, are stored to your device's memory. For more storage capacity, you can set the memory card as the primary storage location for apps with the app's options.

For more information about viewing memory usage for the memory card, see *"Device Storage"* on page 225.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see *"Memory Card"* on page 13.

Important! To prevent damage to data stored on the memory card, unmount the card before removing it from the device.

Mounting and Unmounting a Memory Card

Mounting a memory card establishes the connection between your device and the card, to prepare for saving files to the memory card. In most cases, the device mounts the card automatically when you install it, and displays the memory card status on Notifications.

Before removing the card, use the Mount/Unmount setting to unmount, it to prevent damage to data stored on the card.

1. From the Home screen, touch **Menu**, then select **Settings** → **Storage**.
2. Touch **Unmount SD card**, then follow the prompts.

Formatting a Memory Card

Use the Format SD card setting to remove all data from an installed memory card.

Important! Data cannot be recovered after formatting.

1. From the Home screen, touch **Menu**, then select **Settings** → **Storage**.
2. Touch **Format SD card**, then follow the prompts to confirm the deletion of data from the card.

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. Open the folder to view files.
3. Copy files from the PC to the memory card.

Enabling the USB 3.0 Connection

1. Connect the USB 3.0 cable to an active 3.0 USB port.

Important! The 3.0 configuration screens does not display if the cable is not plugged into an Active USB 3.0 port or if it is plugged into a USB 2.0 port.

2. Touch and drag the Status bar to the bottom of the screen to open the Notifications panel.
3. Tap the **Media device (USB3.0)** field to activate the USB connectivity mode

.
4. Read the on-screen information and tap **Use USB 3.0** to initiate the mode.

To return to USB 2.0 connectivity mode:

- Tap either the MTP or PTP fields to re-enable USB 2.0 connectivity.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your device supports the 802.11 a/b/g/n Wi-Fi protocols.

Configuring Wi-Fi Settings

Configure your device's Wi-Fi settings. For more information, see *"Wi-Fi settings"* on page 181.

Turning Wi-Fi On or Off

Turn your device's Wi-Fi service on or off. When you turn Wi-Fi service on, your device automatically searches for nearby available Wi-Fi networks.

Tip: When you turn Wi-Fi service on, your device automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from Settings.

---

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab**.
2. Touch **Wi-Fi** ON to turn Wi-Fi On or Off.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your device searches for available Wi-Fi connections, then displays them.

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

– or –

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off.
3. When your device completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off.
3. Tap **Wi-Fi**, touch **Add Wi-Fi Network**, then enter these fields:
   - **Network SSID**: Enter the name of the Wi-Fi network.
   - **Security**: Select the type of security used by the Wi-Fi network.
   - **Password**: If the network is secured, enter the password.
4. Touch **Connect** to save the settings and connect to the network now, or **Save** to save the network settings for future use.

Wi-Fi Direct

Wi-Fi Direct is a standard that allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. This type of connection is commonly called peer-to-peer.

For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices. Many of the apps on your device provide options for sharing via Wi-Fi Direct under **Menu**.

Turning Wi-Fi Direct On or Off

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Wi-Fi**.
2. Touch **Wi-Fi** ON to turn Wi-Fi On or Off.
3. Touch **Wi-Fi Direct**.

Connecting to Wi-Fi Direct Devices

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Wi-Fi**.
2. Touch **Wi-Fi** ON to turn Wi-Fi On or Off.
3. Touch **Wi-Fi Direct**.
4. Enable Wi-Fi Direct on the other device(s). Consult the other device's documentation for more information.
5. On your device, touch **Wi-Fi Direct** to scan for the other device(s).
6. In the scanned list, touch a device to connect with it, or touch **Multi-connect** to connect to multiple devices (not all devices support multi-connect).
7. Follow the prompts on both devices to complete the connection.

Wi-Fi Now

Wi-Fi Now can automatically connect to a Curated Virtual Network (CVN) of millions of qualified public hotspots with no user action required. The CVN uses constantly updated data on location and quality to provide availability of free, public, and private Wi-Fi hotspots.

Important! Wi-Fi Now is a free application downloaded from Play Store for U.S. Cellular® Android customers only.

- From the Home screen, tap **Apps** ➔ **US Cellular** ➔ **Wi-Fi Now**.

Allowed Devices

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections tab** ➔ **Nearby devices**.
2. Touch **File sharing** to enable or disable file sharing.
3. Under **Advanced**, touch **Allowed devices list**: View and manage devices allowed to connect to your device.

Nearby Devices

Share files with devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

For more information, refer to *"Nearby devices"* on page 190.

Bluetooth

Note: For Hearing Aid Compatibility Information, see page 251.

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Your device supports Bluetooth® 4.0.

Configuring Bluetooth Settings

Configure your device's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 184.

Note: Bluetooth profiles are specifications for services supported by individual devices.

Turning Bluetooth On or Off

Turning Bluetooth On or Off

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab**.
2. Touch and slide the **Bluetooth** ON slider to the right to turn it on.

Tip: You can also turn Bluetooth On or Off at Notifications.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your device and the target device.

After pairing, your device and the target device will recognize each other and exchange information without a passcode or PIN.

Note: When paired, the **Bluetooth paired** icon displays in the Status Bar. If you receive a new request for pairing while paired with a Bluetooth headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the pairing request.

1. From the Home screen, touch **Menu**, then select **Settings** ➔ **Bluetooth**.
2. Touch **Bluetooth**

to turn Bluetooth On.
3. Activate the target device's discoverable mode.
4. Touch **Scan**.
5. From the list of scanned devices, touch the target device, then follow the prompts to complete the pairing:
   - If the target device requires a PIN, enter a PIN for the target device and touch **OK**. When prompted, enter the PIN on the target device.
   - If the device allows automatic or smart pairing, your device will attempt to pair with the device automatically. Follow the prompts on your device and the target device to complete the pairing.

VPN

You can use your device's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your device's VPN settings. For more information, see *"Nearby devices"* on page 190.

Note: You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

Adding a VPN

1. From the Home screen, touch **Menu**, then select **Settings** ➔ **Connections** tab ➔ **More networks** ➔ **VPN**.
2. Enter a password for credential storage and touch **OK**.
3. Touch **Add VPN network** to set up a connection to a VPN. Available settings depend on the type of VPN.

Portable Hotspot

Portable Hotspot shares your devices internet connection with a PC or other device through Wi-Fi, using your device as the hotspot.

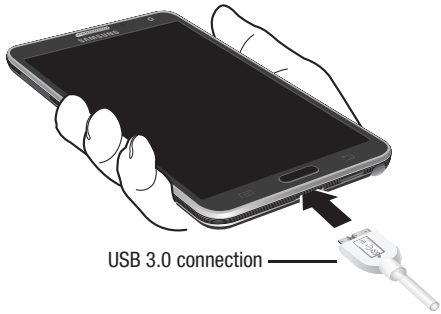
Configuring Portable Hotspot Settings

Configure your device's Mobile Hotspot settings, including your device's name and password, and set the visibility of your device's Portable Wi-Fi hotspot.

For more information, refer to *"Portable Wi-Fi hotspot"* on page 184.

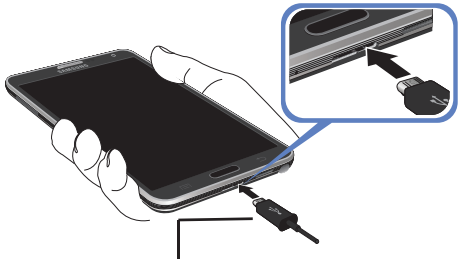
Enabling the USB 3.0 Connection

1. Connect the USB 3.0 cable to an active 3.0 USB port.



Important! The above 3.0 configuration screens do not display if you cable is not plugged into an Active USB 3.0 port or if it is plugged into a USB 2.0.

2. If you are using the older style USB 2.0 cable to charge your battery, plug the flat end of the cable into the smaller port in the device's Charger/Accessory jack.



USB 2.0 connection

3. Touch and drag the Status bar to the bottom of the screen to open the Notifications panel.
4. Tap the Media device (USB3.0) field to place a checkmark and active the USB connectivity mode.
5. Read the on-screen information and tap **Use USB 3.0** to initiate the mode.

Important! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 339.

To return to USB 2.0 connectivity mode:

- Tap either the MTP or PTP fields to re-enable USB 2.0 connectivity.

Tethering

Use Tethering to share your device's internet connection with a computer that connects to your device via USB cable, or by Bluetooth.

Touch **Help** under Tethering settings to view information about tethering, and for links to more information.

Note: Mobile Broadband Connect may require a subscription to Mobile Hotspot/Mobile Broadband Connect service. Contact your carrier for more information. Mobile Hotspot consumes battery power and uses data service. While the Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data allowance.

Bluetooth tethering

Before starting, pair your computer with your device, then configure your computer to obtain its network connection via Bluetooth.

1. From the Home screen, touch **Menu**, then select **Settings** ➔ **Connections** tab ➔ **Tethering and portable hotspot** ➔ **Bluetooth tethering**.

For more information, refer to *"Bluetooth tethering"* on page 185.

NFC and Beaming

Use NFC (Near Field Communication) to share information between your device and another NFC device by beaming, typically by touching the devices together back-to-back.

For more information about sharing information with NFC, For more information, refer to *"NFC"* on page 189. Also, see *"S Beam"* on page 190.

S Beam

Share more and share it faster with S Beam. From photos to documents, large video files to maps, you can share almost anything instantly with one touch, simply by placing your devices back-to-back.

S Beam uses your device's NFC (Near Field Communication) feature to send, or "beam", content to other NFC and Wi-Fi Direct devices, by holding the devices close together.

S Beam works in the background. Use the sharing options from your favorite apps to select content to share via S Beam. For example, you can beam pictures or videos from Gallery, or songs from Music player. Just bring the devices together (typically back-to-back), then tap the screen.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections tab**.
2. Touch **NFC** to turn NFC On. NFC must be turned On to use S Beam.
3. Touch the **S Beam** ON slider to turn S Beam On or Off.

Note: If you turn on S Beam, NFC is automatically turned On.

Nearby devices

Share files with nearby devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To share with nearby devices, you must connect to a Wi-Fi network. The devices you wish to share files with must also be connected to the same Wi-Fi network and must support DLNA.

Important! Use care when enabling file sharing for nearby devices. When enabled, other devices can access data on your device.

Turning File sharing On or Off

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections tab** ➔ **Nearby devices**.
2. Touch **File sharing** to turn sharing On or Off.

Configuring File Sharing

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections tab** ➔ **Nearby devices**.
2. Under **Advanced**, touch options to control how content is shared from your device:
   - **Shared contents**: Choose the type of content to share, from **Videos**, **Photos**, or **Music**.
   - **Allowed devices list**: View and manage devices allowed to connect to your device.
   - **Not-allowed devices list**: View and manage devices restricted from connecting to your device.
   - **Download to**: Choose a location to save downloaded content, from USB storage (device memory) or SD card.
   - **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

Section 8: Settings

Accessing the Settings Tabs

- Touch **Apps** ➔ **Settings**.

  – or –

  Press **Menu**, then select **Settings**.

Settings Tabs - Overview

The Settings are divided into 4 main groups. When the Settings screen displays, the following tabs are located at the top of the screen:

Connections:
This tab allows you to see all of settings related to the connection of your device to external sources. Features include: Wi-Fi, Bluetooth, Tethering and Mobile HotSpot, Airplane mode, Data usage, Location services More networks (Mobile networks, and VPN), NFC, S Beam, Nearby devices, and Screen Mirroring.

Device:
This tab provides access to display configuration and customization features. Features include: Lock screen, Wallpaper, Brightness, Screen timeout, Font, More display settings, Notification panel, Multi window, LED indicator, Easy mode, Auto rotate screen, and Show battery percentage.

Controls:
This tab provides both the ability to alter input parameters such as: Language and input, Voice control, Hands-free mode, S Pen, One-handed operation, Edit after screen capture, Alr gesture, Motions, Palm motion, Air view, smart screen, and High touch sensitivity.

General:

This tab provides access to the remaining set of device settings not listed under the other tabs. These include Sound, Call, Accounts, Date and time, Blocking mode, Personal page, Power saving mode, Accessibility, Accessory, Cloud, Backup and reset, Application manager, Battery, Storage, Security and About device.

Note: The settings for your device are described below using the order in which they display in the Settings menu. Functions found under the Connections tab are listed first, followed by My device, Accounts, and More tabs.

Network Connections

Wi-Fi

Set up and manage your device's connections to Wi-Fi networks. Your device supports Wi-Fi a/b/g/n.

For more information about using Wi-Fi, see *"Wi-Fi"* on page 168.

Turning Wi-Fi On or Off

Turn your device's Wi-Fi service on or off. When you turn Wi-Fi service on, your device automatically searches for available Wi-Fi networks.

Tip: You can also turn Wi-Fi On or Off from Notifications.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab**.
2. Touch **Wi-Fi** ON to turn Wi-Fi On or Off.

Adding a Wi-Fi Network

1. From the main **Settings** page, tap Connections **Connections tab → Wi-Fi → Add Wi-Fi network**.
2. Enter the Network SSID (the name of your Wireless Access Point).
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP (Wireless Access Point).
4. Enter your WAP's password if the WAP is secure.
5. Tap **Connect** to store the new information and connect to the target WAP.

Note: An SSID is a unique key which identifies a wireless LAN. Its purpose is to stop other wireless equipment from accessing your LAN — whether accidentally or intentionally. To communicate, wireless devices must be configured with the same SSID.

Wi-Fi settings

Once set up for Wi-Fi connectivity, your device automatically uses Wi-Fi, when available, for all your mobile services.

1. From the main **Settings** page, tap Connections **Connections tab → Wi-Fi**.
2. Press Menu **Menu** and then tap **Advanced**. Configure the settings as desired.

The available Wi-Fi connection are displayed with a security type displayed next to them.

WPS Push Button

The WPS (Wi-Fi Protected Setup) feature (sometimes associated with a physical or on-screen button on most WAPs) allows you to pair your device and WAP without the need for entering a passcode. This process is similar to Wi-Fi Direct pairing.

In this case, once the WPS feature is active on your WAP, your device can then detect it and then immediately pair to it.

Note: WPS-capable routers display in the Wi-Fi list of available devices with the term (**WPS available**) below their name.

To pair your device using WPS:

1. Follow the WPS activation instructions specific to your Wireless Access Point.
2. From the main **Settings** page, tap Connections **Connections tab** ➔ **Wi-Fi**.
3. Press **Menu** then tap **WPS push button**.
4. Once the connection is complete, confirm the external router now appears in the Wi-Fi list as connected.

WPS PIN Entry

If a WPS Push Button does not work, there is an alternative WPS connection method where you would use a device generated PIN number to establish the connection. This number is then entered into your WAP's WPS client PIN field to complete the connection.

To pair your device using WPS PIN:

1. From the main **Settings** page, tap Connections **Connections tab** ➔ **Wi-Fi**.
2. Press **Menu** then tap **WPS PIN entry**.
3. Write down the generate PIN number and enter it into your Wi-Fi Router's client PIN field.
4. Once the connection is complete, confirm the external router now appears in the Wi-Fi list as connected.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices.

For more information, see *"Wi-Fi Direct"* on page 170.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Wi-Fi**.
2. Touch **Wi-Fi Direct** at the bottom of the screen. Your device automatically scans for nearby Wi-Fi Direct devices, or you can touch **Scan** to start scanning.
3. After scanning for devices, select a device, then follow the prompts to complete the connection.

   – or –

Touch **Multi-connect** to create a connection to devices that support multi-connect. Touch **Scan** to search for available multi-connect devices, then select the devices and follow the prompts to complete the connection.

Note: The target device must also have Wi-Fi Direct service active and running before it can be detected by your device.

Network Connections Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Your device supports Bluetooth® 4.0.

Turning Bluetooth On or Off

1. From the Home screen, touch **Apps** → **Settings** → **Connections tab**.
2. Touch and slide the **Bluetooth** slider to the right to turn it on.

Tip: You can also turn Bluetooth On or Off at Notifications.

Bluetooth settings

Pair with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab** ➔ **Bluetooth**.
2. Touch a setting to configure Bluetooth:
   - Touch ON to turn Bluetooth On or Off.
   - Touch the device's name to control its visibility to other devices' Bluetooth searches. Available when Bluetooth is turned On.
   - Touch a paired device to connect to it.
   - Touch **Scan** to search for visible Bluetooth devices. After searching, touch a device to pair with it. For more information, see *"Pairing with a Bluetooth Device"* on page 172.
3. Press **Menu** and tap the **Visibility timeout**, **Received files**, and **Help** fields to set the options.

Tethering and Portable Hotspot

This section covers procedures for both the Portable HotSpot tethering functionality.

Portable Wi-Fi hotspot

This feature allows you to turn your device into a Wi-Fi hotspot. The feature works best when used in conjunction with 4G/LTE data services (although 3G service can also be used).

The Portable HotSpot connectivity is a wireless version of this same functionality and allows you to provide Internet connectivity to multiple devices.

Important! The Portable HotSpot service cannot be active when the device is connected to Wi-Fi. Please disconnect your Wi-Fi connection prior to active this service.

Note: You must have a tethering plan on your account in order to use the Portable HotSpot. You cannot use data on the device while using Portable HotSpot.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab** ➔ **Tethering and portable hotspot**.
2. Slide the ON slider to the right to turn **Portable Wi-Fi hotspot** On.
3. Read the Introduction Portable Wi-Fi hotspot notice and then touch **Accept**.

USB tethering

This option allows you to share your device's mobile data connection via a direct USB connection between your device and a single computer. The Mobile HotSpot connectivity is a wireless version of this same functionality and allows you to provide Internet connectivity to multiple devices.

Note: You can not mount your device's microSD card to your computer while using the USB tethering feature. If additional software or USB drivers are required, navigate to: http://www.samsung.com/us/support/downloads.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab** ➔ **Tethering and portable hotspot**.
2. Plug in the USB cable between your computer and this device.
3. Tap **USB tethering**.
4. Tap **OK** at the prompt

Bluetooth tethering

Use Bluetooth tethering to share your device's internet connection with a computer that connects to your device via USB cable, or by Bluetooth.

For more information about connecting computers to your device via Tethering, see *"Tethering"* on page 176.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab** ➔**Bluetooth tethering**.
2. Pair your device with the computer. Consult the computer's documentation for more information about configuring your computer to pair using Bluetooth. Touch Bluetooth Tethering to turn tethering On or Off.

Note: Using Mobile Broadband Connect tethering requires a subscription to Portable Hotspot service. For more information, contact Customer Service.

Airplane mode

When airplane mode is enabled, all your device's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your device, such as playing music, watching videos, or other applications.

- From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections tab** ➔ **Airplane mode** to enable or disable airplane mode.

Note: Airplane mode can also be controlled from Notifications, and from Device options when you press and hold the **Power/Lock Key**.

Data usage

Monitor data usage, control your device's connection to mobile data service.

Note: Data usage is measured by your device, and your service provider may account for usage differently, so consider using a conservative limit.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Data usage**.
2. Configure options:
   - **Mobile data**: Turn Mobile data On or Off. You can also control Mobile Data at Notifications.
   - **Set mobile data limit**: When enabled, your mobile data connection will be disabled when the specified limit is reached. After enabling the setting, drag the red limit line on the graph below to set the data usage limit.
   - **Data usage cycle**: When enable select the current cycle or define your own by touching Change cycle.
3. Touch and drag the far right ends of the Red or Orange horizontal lines to manually adjust both the Warning and Maximum data limits.

4. Touch and drag the bottom grey vertical lines to adjust the time frames.

Data usage options

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Data usage**.
2. Touch **Menu** to set options:
   - **Auto sync data**: When enabled, your device will synchronize with accounts automatically, at any time.
   - **Mobile hotspots**: Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.

Location services

Location services control your device's use of GPS signals. Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

Important! US Cellular values your privacy. Because of this, your device is defaulted to only acquire your location when you dial 911. To use Location-Based Services, you must first enable location services on your device. For more information, refer to *"Location services"* on page 187.

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1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections tab** ➔ **Location services**.

2. Tap one of these options to activate the service:
   - **Access to my location**: allows apps that have asked your permission to use your location information. Tap the ON/OFF slider to turn it on.
   - **Use GPS satellites**: allows applications to use GPS to pinpoint your location.
   - **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.
   - **My places**: allows you to add location information for your Home, Office, and Car.

More Wireless and Network Settings

Mobile networks

Set options for network selection and data service.

Important! Depending on your service plan, changes you make to mobile networks settings may incur extra charges. Consult Customer Service for information.

1. From the Home screen, press **Menu** and then tap **Settings** → **Connections tab** → **More networks** → **Mobile networks**.
2. Set these options:
   - **Mobile data**: Enable or disable your device's connection to the mobile data network. You can also control this setting at Notifications with the Mobile data toggle.
   - **Data Roaming**: Enable or disable connection to data services when your device is roaming on another network.
   - **Network mode**: Choose a preferred network mode.
   - **System select**: Changes the CDMA roaming mode. Select **Home only** or **Automatic**.

VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 173.

Note: You must enable screen security before setting up a VPN. For information about screen security, see *"Screen lock"* on page 198.

Adding a VPN

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections tab** ➔ **More networks** ➔ **VPN**.
2. Set a screen unlock pattern, PIN, or password before you can add a VPN. For more information, refer to *"Lock Screen"* on page 198.
3. Tap **Add VPN Network** to set up a connection to a VPN, using the following settings:
   - **Name**: Enter a name for the VPN connection.
   - **Type**: Choose the type of VPN.
   - **Server address**: Enter the IP address of the VPN server.
   - **PPP encryption (MPPE)**: Touch to enable or disable encryption.
   - **Show advanced options**: Touch to show more options. Available options depend on the type of VPN you are adding.

NFC

Use NFC (Near Field Communication) to share information between your device and another NFC device by touching the devices together, typically back-to-back.

For more information about sharing information with NFC, see *"NFC and Beaming"* on page 176.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections tab**.
2. Touch the **NFC** ON slider to turn NFC On or Off.

S Beam

S Beam uses your device's NFC (Near Field Communication) to send, or "beam", content to other NFC and Wi-Fi Direct devices, by holding the devices close together.

S Beam works in the background. Use the sharing options from your favorite apps to select content to share via S Beam. For example, you can beam pictures or videos from Gallery, songs from Music player, notes from S Note, and more. Just bring the devices together (typically back-to-back), then tap your screen.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections** tab.
2. Touch **NFC** to turn NFC On. NFC must be turned On to use S Beam.
3. Touch the **S Beam** ON slider to turn S Beam On or Off.

Nearby devices

Share files with devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To Nearby devices, you must connect to the same Wi-Fi network as the devices you which to share with, and the other devices must support DLNA.

For more information about connecting to Wi-Fi, see *"Wi-Fi"* on page 180.

Important! Use care when enabling file sharing for devices. When enabled, other devices can access data on your device.

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1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Connections** tab ➔ **Nearby devices**.
2. Touch **File sharing** to enable or disable file sharing.
3. Under **Advanced**, touch options to control how content is shared from your device:
   - **Shared contents**: Choose the type of content to share, from **Videos**, **Photos**, or **Music**.
   - **Allowed devices list**: View and manage devices allowed to connect to your device.

- **Not-allowed devices list**: View and manage devices restricted from connecting to your device.
- **Download to**: Choose a location to save downloaded content, from USB storage (device memory) or optional installed SD card (not included).
- **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

Screen Mirroring

When Screen Mirroring is enabled, you can wirelessly mirror what is displayed on your device's screen with an external TV using devices such as the AllShare Cast Hub®.

Note: To use Screen mirroring you must connect with a compatiblee wireless TV or one enabled with the AllShare Cast Hub®.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ Connections **Connections** tab ➔ **Screen Mirroring**.
2. Slide the **Screen Mirroring** ON slider to the right to turn it on.

Note: This feature allows you to connect your device and the optional AllShare Cast Hub, using a shared Wi-Fi Direct connection. The AllShare Cast Hub allows the communicating TV to mirror what displays on the devices screen.

Sound Settings

From this menu you can control the sounds on the device including ringtone and notifications, system tones and sounds, keyboard sounds, HDMI audio output, and more.

- From the Home screen, press **Menu** and then tap **Settings** ➔ Device **Device** tab➔ **Sound**.

Silent Mode

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example. In Silent Mode the speaker is muted and the phone only vibrates to notify you of incoming calls, or other functions that normally have a defined tone or sound as an alert.

1. From the Home screen, press and hold the **Power/Lock Key** until the **Device options** screen displays.

2. Tap either **Mute**, **Vibrate**, or **Sound** from the Device options screen to activate or deactivate these features (the current mode displays).

Adjusting Volume settings

The Volume menu allows you to control Music, video, games and other media, ringtones, notifications, and system volume levels.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound**.
2. Touch and drag the slider to adjust the volume levels for each of the following volume levels: **Music**, **video**, **games and other media**, **Ringtone**, **Notifications**, and **System**.

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab➔ **Sound**.
2. Touch and drag the slider to adjust the Vibration intensity for **Incoming call**, **Notification**, and **Haptic feedback**.

Setup Ringtones

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound** ➔ **Ringtones**.
2. Tap a ringtone. The ringtone briefly plays when selected.
3. Tap **Add** to locate a media file to use as a ringtone.
4. Tap **OK** to assign as a ringer.

Setup the Vibration

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound** ➔ **Vibrations**.
2. Select a vibration pattern and tap **OK**.

   – or –
3. Tap **Create** to use an on-screen touch circle and create your own custom vibration pattern. Tap **Save** to store the new vibration pattern.

Default Notification Sound

This option allows you to set the ringtone that plays as a notification or alarm.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound**.
2. Tap **Default notification sound**.
3. Select a ringtone and tap **OK**.

Setting up Vibration When Ringing

Enable your phone to vibrate for an incoming call.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound**.
2. Tap the **Vibrate when ringing** field to activate the feature.

Audible System Tone Settings

These options are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen. Each time you press a key or make a selection the selected tone sounds.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound**.
2. Tap **Dialing keypad tone** to activate a tone when you use on-screen keys. A check mark displays to indicate activation.
3. Tap **Touch sounds** to activate a tone when you touch the screen. A check mark displays to indicate activation.
4. Tap **Screen lock sound** to activate a tone when you use the Lock screen. A check mark displays to indicate activation.
5. Tap **Haptic feedback** to activate the a vibration when you press soft keys on certain screens. A check mark displays to indicate activation.

Emergency tone

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound**.
2. Select **Off**, **Alert** or **Vibrate** as the method for emergency alerts.

Pen attach/detach sound

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound**.
2. Touch one of the sounds to play when you attach or detach the pen, or touch **Off**.

Audio Output

This sound feature configures the audio output.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound** ➔ **Audio output**.
2. Choose **Stereo** or **Surround**.

Adapt sound

The Adapt sound feature allows you to customize your call sounds.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Sound** ➔ **Adapt Sound**.
2. Read the instructions and tap **Start**.
3. Follow the on-screen instructions to set up your personal call sound.

Display Settings

1. From the main **Settings** page, tap **Device** tab ➔ **Display**.
2. Configure the following screen display settings:
   - **Brightness** allows you to configure the LCD Brightness levels.
     – Tap **Automatic brightness** to allow the device to self-adjust and tap **OK**.
     - or -
     Touch and slide the on-screen slider to adjust the level and tap **OK**.
   - **Screen timeout**: allows you to adjust the delay time before the screen automatically turns off. Make an available selection. Choices include: 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, and 10 minutes.
   - **Touch key light duration**: allows you to adjust the delay before the Touch key light automatically turns off.
   - **Screen mode**: allows you to select from several different color modes.
   - **Reading mode**: allows you to activate an optimized reading mode for selected applications. This menu allows you to assign available applications (such as Calculator, Camera, Contacts, etc...) for enhancement using the Reader mode.
   - **Auto adjust screen tone**: adjusts the phone's LCD brightness level to automatically adjust and conserve battery power.
   - **Daydream**: allows you to control what your screen does when your device is docked or sleeping. Tap the adjacent OFF / ON icon to turn it on. Follow the on-screen instructions.
   - **Auto rotate screen** when enabled, this feature, allows the device to automatically switch from portrait to landscape orientation and vice versa. When this setting is disabled, the device displays in portrait mode only.
   - **Show battery percentage** when enabled, displays of battery charge percentage atop the battery icon at the top of the screen.
   - **Edit after screen capture** when anabled, this feature takes you to the Edit screen after capturing a screen image.

Brightness

Set the default screen brightness.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Display** ➔ **Brightness**.
2. Drag the slider to set the brightness, or touch **Automatic brightness** to allow the device to adjust brightness in response to light conditions.
3. Touch **OK** to save the setting.

Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Display** ➔ **Screen timeout**.
2. Touch a screen timeout setting.

More Display Settings

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** **Device** tab ➔ **Touch key light duration**.
2. Configure the following screen display settings:
   - **Touch key light duration**: allows you to adjust the delay before the Touch key light automatically turns off.
   - **Screen mode**: select a color mode ot match your type of viewing.
   - **Reading mode**: activates an optimized reading mode for selected applications. Assign available applications (such as Calculator, Camera, Contacts, and more) for enhancement using the Reading mode.
   - **Auto adjust screen tone**: adjusts the phone's LCD brightness level to automatically adjust and conserve battery power.
   - **Daydream**: control what your screen does when your device is docked or sleeping. Tap the OFF / ON icon to turn it on. Follow the on-screen instructions.

- **Auto rotate screen**: When enabled, this feature automatically switches from portrait to landscape orientation. When disabled, the device displays in only portrait mode.
- **Show battery percentage**: When On, the battery's charge level displays in the Status bar next to the Battery icon.

Multi window

This option to enable/disable the automatic Multi window feature.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab.
2. Tap the **Multi window** slider to activate this feature.
3. Tap **Multi window** and tap **Open in multi window view** if you want to automatically view content in multi window when you open files from My Files or Video, or attachments from emails or messages.

LED Indicator

This option allows you to turn on your LED lights for charging, missed events, and incoming notifications. The light will turn on by default unless you turn them off.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **LED indicator**.
2. Tap the following LED indicator options to turn them on or off:
   - When turned On, the LED glows red during charging, and green when the battery is fully charged.
   - **Low battery**: When turned On, the LED blinks red to indicate low battery charge.
   - **Notifications**: When turned On, the LED lights up when you you missed calls, messages, or application events.
   - **Voice recording**: When turned On, the LED lights up when you record voice.

Screen Personalization

Lock Screen

Choose settings for unlocking your device.

For more information about using the lock and unlock features, see *"Securing Your Device"* on page 15.

Screen lock

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab.
2. Touch **Lock screen** ➔ **Screen lock** for settings:
   - **Swipe**: When enabled, you unlock the device by swiping your finger across the screen. This is the default screen lock, and offers no security, but you can set special lock screen options; see *"Lock Screen"* on page 198.
   - **Signature**: When enabled, write your signature with the pen. Tap Continue to accept the signature.
   - **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the device. Touch the option, then follow the prompts to create or change your screen unlock pattern.
   - **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the device. with PIN screen lock, you can also set the With swipe lock and Lock screen options.
   - **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the device.
   - **None**: Disable all custom screen lock settings, to use the default swipe unlock screen.

Screen Lock Options

Depending on the type of screen lock option selected some of the following options may or may not display. Only the applicable options display for each screen lock category.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Lock screen**.
2. Configure one of the following options.
   - **Multiple widgets** allows you to display multiple widgets on your lock screen when using Swipe screen lock.
   - **Clock widget options** allows you to show the dual clock on the lock screen, adjust the Clock size, and show the date.
   - **Shotcuts** sets shortcuts on the lock screen when Swipe is selected.

- **Personal message** allows you to enter a customized personalized message that is displayed on the lock screen.
- **Owner information** allows you enter text to display on the lock screen.
- **Make pattern visible** displays the pattern as it is drawn. This feature works only when you set a pattern screen lock.
- **Make signature visible** displays the signature as it is written.
- **Accuracy level** sets the level of accuracy required when writing your signature.
- **Unlock effect** sets the effect you receive when unlocking the device. You can select None or Light effect.
- **Ink effect** sets the coloring for the on-screen ink used in writing/drawing. This is a Swipe option.
- **Wake up in lock screen screen** requires that you say a command to wake-up your phone.
- **Help text** displays help information on the Swipe Lock screen.
- **Lock automatically** the screen locks 5 seconds after the screen automatically turns off.
- **Lock instantly with power key** the screen instantly locks when you press the power key.
- **Action Memo on lock screen** opens Action memo when you double tap the lock screen while pressing the pen button.

Wallpaper

Customize the background of the Home and Lock screens.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ Device **Device** tab ➔ **Wallpaper**.
2. Select a screen, from **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Select a source for wallpaper, from **Gallery**, **Live wallpapers**, or **Wallpapers**.
4. Follow the prompts to set the picture or wallpaper.

Note: You can also set Wallpaper by touching and holding on an empty area of the Home screen.

Font Settings

Set the screen font style and size.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Font**.
2. Touch **Font style** then select a font, or touch **Get fonts online** to browse and download a new font.
3. Touch **Font size** and select a font size.

Notification Panel

Enables setting the brightness for your display from the notification panel and alllows you to set the quick setting buttons that display at the top of the notification panel.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Notification panel**.
2. Tap **Brightness adjustment** to enable the screen brightness setting in the Notification panel.
3. Press and hold a quick setting button from the Notification panel or Available buttons area for each icon you want to display on the Notification panel.

Easy Mode

Helps you use your device more easily with a simpler home screen layout.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Easy mode**.
2. Tap the ON slider to turn on Easy mode.

Accessibility

Improves accessibility for users who have impaired vision, hearing, or reduced dexterity.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab ➔ **Accessibility**.

Note: Initially, it might be necessary to download accessibility applications from the Play Store.

2. Select the **Auto rotate screen** field so the device automatically rotates an available screen.
3. Tap **Screen timeout** to timeout the accessibility feature after a defined amount of time.
4. Tap **Lock automatically** to lock the screen automatically after a selected amount of time.

Note: The Lock automatically function is only available if your device is already using the screen lock feature.

5. Tap **Speak passwords** so the device will read out password information.
6. Select **Answering/ending calls** to select the methods used to answer and end a call.
7. Tap **Easy touch mode** to stop snooze alarms, calendar events and timers, and accept/reject incoming calls when you tap the device.
8. Tap **Show shortcut** allows you to press and hold the **Power/End** key to use the accessibility shortcut under the Device options screen.
9. Tap **Manage accessibility** to save and update your accessibility settings or share them with another device. You can export settings, import a previously saved file, or share your file with another device.
10. Tap **TalkBack** to activate the feature.
    When installed and enabled, speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

11. Tap the **Font size** to change the size of the fonts used on the device in menus, options, and more. Choose from: Tiny, Small, Normal, Large, or Huge.
12. Enable **Magnification gestures** to use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
13. Tap the **Negative colors** to reverse the display of on-screen colors from White text on a Black background to Black text on a White background.
14. Select **Color adjustment** to allow you to adjust the display colors if you are color blind and have difficulty reading the display because of the colors. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.
15. Select **Notification reminder** to allow the device to play a beep when you have unread notifications.

16. Tap **Accessibility shortcut** to allow you to quickly enable accessibility features in 2 quick steps. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.
17. Tap the **Text-to-speech options** field to configure the text to speech configuration parameters.
18. Use the **Sound balance** field to allow you to use the slider to set the Left and Right balance when using a stereo device.
19. Tap the **Mono audio** field to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.
20. Tap the **Turn off all sounds** field to mute every sound made by the device during taps, selections, notifications, etc..
21. Tap the **Hearing aids** field to improve the sound quality of your device for use with hearing aids.
22. Tap **Flash notification** to allows you to set your camera light to blink whenever you receive a notification.
23. Enable the **Assistant menu** to allow you to improve the device accessibility for users with reduced dexterity. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.
24. Tap the **Press and hold delay** field to select a time interval for this action. Choose from: Short (0.5), Medium (1.0 second), Long (1.5 seconds), or Custom.
25. Enable **Interaction control** to allows you to enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.

Call Settings

- From the Home screen, press **Menu** and then tap **Settings** → Device **Device** tab → **Call**.

For more information, refer to *"Call Settings"* on page 69.

Blocking Mode

When Blocking mode is enabled, notifications for selected features are disabled. You only receive notifications of incoming calls from people on your allowed list.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Device** tab.
2. Touch and slide the **Blocking mode** ON slider to the right to turn it on.
3. Touch the check box next to each feature to enable. Select: Block incoming calls, Turn off notifications, Turn off alarm and timer, and Turn off LED indicator.
4. Configure a timeframe for these features to activate. Remove the check mark from the **Always** field to configure the **From** and **To** time fields.
5. Tap **Allowed contacts** to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts display in the **Allowed contact list**.

Voice and Input Settings

Language

Set the language used by your device's screens.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Language and input**.
2. Select a language from the list.

Choose Input Method

1. From the main **Settings** page, tap **Controls** tab ➔ **Language and input** ➔ **Default**.
2. Select an input method.

   – or –

   Tap **Set up input methods** to alter/modify the available input methods.

Samsung Keyboard Settings

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Language and input**➔ **Samsung keyboard**.

   – or –

   From within an active text entry screen, touch and hold **Input Methods**, drag across the icons, and select **Settings** to reveal the **Samsung keyboard settings** screen.

2. Set any of the following options:
   - **Select input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.
   - **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings.
   - **Auto replacement** automatically completes or replaces the current wor with the most probable word match after tapping the space bar or entering a punctuation mark.
   - **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
   - **Auto spacing** automatically inserts space between words.
   - **Auto punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.
   - **Keyboard swipe**: allows you to combine the Samsung keyboard with an additional input method choose from:
     - **None** leaves text input as only via the on-screen keyboard.
     - **SwiftKey Flow** like using Swipe, allows you to enter text by sliding your fingers across the on-screen keyboard. This feature is optimized for use with the on-screen QWERTY keyboard.
     - **Cursor control** when enabled, allows you to control your on-screen cursor by moving your finger across the keyboard.
   - **Key-tap feedback** provides feedback functions to be enabled such as:
     - **Sound** enables auditory feedback when you tap an on-screen key.
     - **Vibration** enables vibration feedback when you tap an on-screen key.
     - **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.

- **More settings** provides access to additional access to more settings.
  - **Pen detection** enables the device to automatically switch to handwriting mode when the S Pen is detected.
  - **Help** launches a brief on-screen help tutorial covering the main concepts related to the Samsung keyboard.
  - **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text Settings

The predictive text system provides next-letter prediction and regional error correction, which compensates for users pressing the wrong keys on QWERTY keyboards.

Note: Only available when ABC mode is selected. Predictive text advanced settings are available only if the Predictive function is enabled.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Language and input**➔ **Samsung keyboard**.

   – or –

   From within an active text entry screen, touch and hold **Input Method**) ➔ to display the **Samsung keyboard settings** screen.
2. Touch and slide the **Predictive text** slider to the right to turn it on.
3. Tap the **Predictive text** field and configure any of the following advanced options:
   - **Live word update** allows the device to automatically update its word database with popular new words every day.

- **Personalized data** activate this feature to use the personal language data that you have entered and selected to make your text entry prediction results better. By enabling this feature you can choose from the following personalization features:
- **Learn from Facebook** allows you to log into your current Facebook account and add used text to your personal dictionary.
- **Learn from Gmail**: allows you to sign in to your existing Gmail account from where your style and existing contact information is added to your personal dictionary. Helps recognize familiar names.
- **Learn from Twitter** allows you to sign into your existing Twitter account and add used text to your personal dictionary.
- **Learn from Messages** allows your device to learn your messaging style by using your Messaging information.
- **Learn from Contacts** updates predictive style by learning your Contacts style.
- **Clear remote data** allows you to delete your anonymous data stored on the personalization server.
- **Clear personal data** removes all personalized data entered by the user.
- **Privacy** displays on-screen privacy information.

4. Press Back to return to the previous screen.

Swype Keypad Settings

1. From the Home screen, press Menu and then tap **Settings** → **Controls** tab → **Language and input** → **Swype**.
2. Tap the gear icon next to Swype to display the **Swype keypad settings** screen.
3. Tap **Settings** to configure these settings:
   - **Vibrate on keypress**: activates a vibration sensation as you enter text using the keypad.
   - **Sound on keypress**: turns on sounds generated by the Swype application.
   - **Pop-up on keypress**: displays the character above the key when typing.
   - **Show complete trace**: once enabled, sets wether or not to display the complete Swype path.
   - **Auto-capitalization**: automatically capitalizes the first letter of each sentence.

- **Auto-spacing**: automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.
- **Next word prediction**: once enabled, predicts the next word in your text string based on your current text entries.
- **Show Voice key**: once enabled, displays the Voice icon on your Swype keyboard so you can use the Voice input option.

4. Tap **My Words** to access the following options:
   - **Backup & Sync**: allows you to backup your Swype dictionary and sync your Swype dictionary across multiple devices.
   - **Living Language**: when enabled, this feature automatically updates your Swype dictionary with popular new words.
   - **Social integration**: allows you to learn information from your Facebook, Twitter, and Gmail accounts to help you while using Swype.
   - **Edit my dictionary**: allows you to edit your personal Swype dictionary.
   - **Clear language data**: deletes all of your personal language data, including your words.
   - **Contribute usage data**: when enabled, allows the Nuance® application to collect usage data for better word predictions.
   - **Cellular data**: when enabled, activates cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.
5. Tap **Languages** to activate and select the current text input language. Default language is English. Touch **Download languages**, to download additional languages.
6. Tap **Gestures** to view helpful information about using Swype gestures.
7. Tap **Help** to view the following options:
   - **How to Swype**: provides tips on how to learn to use Swype.
   - **Show helpful tips**: once enabled, displays helpful tips and hints as you are using Swype.
   - **Version**: displays the software version information.
8. Tap **Updates** to download any new Swype updates. If an update is available, it will display under the updates heading. If no updates are displayed, then check back later to see any available updates.

Google voice typing

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Language and input**➔ **Google voice typing**.
2. Tap to display the **Google voice typing** settings screen.
3. Tap **Choose input languages** to select a language.
4. Tap **Block offensive words** to block recognition of known offensive words or language. A check mark indicates activation.
5. Tap **Offline speech recognition** to enable speech recognition using locally stored files so you can use this service even when not connected to a network.

Configuring Voice Input Recognition

This feature allows the device to correctly recognize verbal input.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Language and input**.
2. Tap **Voice search** to configure the following:
   - **Language**: choose a language for your voice input.
   - **Speech output**: Sets whether you will use speech output always or only when using hands-free.
   - **Block offensive words**: enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
   - **Hotword detection**: enable to being able to launch voice search by saying the word “Google”.
   - **Offline speech recognition**: enables voice input while offline.
   - **Personalized recognition**: Improves speech recognition accuracy.
   - **Google Account dashboard**: Manages your collected data.
   - **Bluetooth headset**: Records audio through the Bluetooth headset when it is plugged in.

Configuring the Mouse-TrackPad

This feature allows you to configure the pointer speed for a connected mouse or trackpad.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Language and input** ➔ **Pointer speed**.
2. Adjust the slider and tap **OK**.

Voice Control

Set up voice commands that control your device.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Voice control**.
2. Touch the Voice control ON slider to turn it on.
3. Touch Voice control and then touch each desired option to activate it:
   - **Incoming calls**: allows you to answer or reject calls using the commands **Answer** and **Reject**.
   - **Alarm**: allows you to stop or snooze an alarm by using the commands **Stop** and **Snooze**.
   - **Camera**: allows you to take pictures using the voice commands **Smile**, **Cheese**, **Capture**, or **Shoot**.
   - **Music**: allows you to control your Music player using the voice commands **Next**, **Previous**, **Pause**, **Play**, **Volume Up**, and **Volume Down**.

Note: If you set the alert type for call or alarms to vibration, the voice command option is not available to configure.

Hands Free Mode

When enabled, alarms and information are spoken.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **Hands-free mode**.
2. Tap the Hands-free mode ON slider to turn it on.
3. Tap **Hands-free mode** for these options:
   - **Incoming call**: speaks the callers' information when receiving incoming calls.
   - **Air call-accept**: wave your hand over the screen to accept incoming calls.
   - **Message**: speaks senders' information when receiving incoming calls.
   - **Alarm**: speaks the alarm information when alarms sound.
   - **Schedule**: speaks the scheduled alarm information when alarms sound.

S Pen Settings

Customize the S Pen settings.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **S Pen**.
2. Configure the following options:
   - **Turn off pen detection**: allows you to deactivate pen detection
   - **S Pen keeper**: allows to enable a a sound alert and on-screen notification when you walk around with the device without the pen inserted in its slot.
   - **Pointer**: allows you to activate the ability to show the pointer when you hover the S Pen over the screen.
   - **Direct pen input**: displays the handwriting pad within the text input area when the S Pen is detected.
   - **Pen detachment options**: allows you activate a selected action when the device detects the S Pen is detached. Choose from: None, Action Memo, or Air command.
   - **Pen attach/detach sound**: allows you to select a sound to be played whenever the pen is attached or detached.

One-Handed Operation

Customize your screen display and input for use with one hand.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab ➔ **One-handed operation**.
2. Touch the check box next to each option to activate:
   - **Use for all screens**: configures selected options for all available screens. This feature adjusts the scale and position of all screens by swiping the edge of the current screen.
   - **Keypad and in-call buttons**: activate the feature to adjust the position of the dialing keyboard and in-call buttons for one-handed operation.
   - **Samsung keyboard**: activate the feature to adjust the position of the Samsung keyboard for one-handed operation.
   - **Calculator**: activate the feature to adjust the position of the Samsung calculator for one-handed operation.
   - **Unlock pattern**: activate to adjust the scale of the unlock pattern screen for use with one hand.
   - **Learn about one-handed operation**: provides an on-screen tutorial for the use of these one-handed features/functions.

Motions and Gestures Settings

Assign functions to device actions that are detected by the accelerometer and gyroscope.

Caution! Excessive shaking or impact to the device may cause unintended results.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab.
   - **Air gesture**: allows you to control your device by performing motions above the sensor (without touching the device).
   - **Air view**: displays helpful information when you hover your finger over the screen.
   - **Air command**: allows you to activate or deactivate the Air comand function that apears on-screen once you remove the S Pen from its internal slot.
   - **Motions**: allows you to control your device using natural movements (on the screen).
   - **Palm motion**: allows you to control your device by touching the screen with your entire hand.
   - **Smart screen**: allows you to control your device by using intelligent face detection features such as: Smart stay, Smart rotation, Smart pulse, and Smart scroll.

Activating Air gesture

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab.
2. Slide the **Air gesture** ON slider to turn it on.
3. Read the notification and tap **OK**.

Note: You must activate at least one feature in order to use Air gesture.

4. Tap **Learn about sensor and icon** field to review on-screen information about the Air gestures sensor and related icon.
5. Tap **Learn about sensor and icon** to read information about the Air gestures sensor and related icon.
6. Slide each Air gesture feature to turn it On.

- **Quick glance**: When enabled, move your hand over the air gesture sensor (located above the on-screen clock at the upper-right) to temporarily activate a preview window used to display selected user-enabled information such as:
  Time & Date, Notification icons, Missed calls, and such.
- **Air jump**: When enabled, move your hand over the air gesture sensor (up or down) and easily jump to either the top or bottom of a lengthy display page (ex: Internet or Email).
- **Air browse**: When enabled, move your hand over the air gesture sensor (left or right) and easily move to either the previous or next item in a series (ex: music tracks, pictures, or pages).
- **Air call-accept**: When enabled, wave your hand over the air gesture sensor to accept any incoming call.

Activating Air View

Using Air view, hover your finger over the screen and Air view features display. For example, hover your finger over a scheduled item in your calendar to view details.

1. From the Home screen, press **Menu** and then tap **Settings** →

Controls tab.
2. Slide the **Air view**

slider right to turn it on.
3. Tap **Air view** to select the method used to activate the feature. Choose Pen, Finger, or Auto.
4. Tap **Air view pen options** and configure the available options:
   - **Information preview**: allows you to see information previews, extended text, and enlarged images when you hover your finger over the screen.

Note: It is best to enable the Information preview function if using Air view.

   - **Progress preview**: allows you to preview a scene or show elapsed time when you hover your finger over the progress bar while watching a video.

- **Speed dial preview**: allows you to see the contacts and their speed dial numbers when you hover your finger over them in your contacts list.
- **Icon labels (by pen nib)**: activate the ability to hover over an icon and display an on-screen pop up description.
- **List scrolling**: allows you to enable the ability to scroll up and down a screen by holding the S Pen over the edge of the screen.
- **Sound and haptic feedback**: allows you to play sound and feel vibration when you hover your finger over Air view items.

5. When enabled via the Air view mode menu, tap **Air view finger options** and configure the available options.
6. Touch and slide the **Air command** ON slider right to turn it on. When active, press the button on the S Pen while hovering over the screen to view an on-screen contextual menu.

Activating Air Command

With the Air command feature active, the Air Command button toolbar displays when you remove the S Pen from its slot. This toolbar allows you to quickly activate frequently used applications or actions.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ Controls **Controls** tab.
2. Slide the **Air command** ON slider to turn it on.

Activating Motion

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab.
2. Touch and slide the **Motions** ON slider right to turn it on.
3. Read the notification and tap **OK**.

Note: You must activate at least one feature before you can activate Motion.

4. Slide a feature's activation slider to the On position for each gesture to activate:
   - **Direct call**: Once enabled , the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
   - **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
   - **Zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the device back and forth to zoom in or out.
   - **Browse an image**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.
   - **Mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.

Activating Palm Motion

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab.
2. Touch and slide the **Palm motion** slider right to turn it on.
3. Slide a feature's activation slider to the On position for each gesture to activate:
   - **Capture screen**: When enabled, swipe your hand across the face of the screen to capture on-screen information. The captured image copies to the clipboard.

- **Mute/pause**: When enabled, pause any video or mute any playing sound by covering the screen with the palm of your hand. When you remove your hand from the screen, the device returns to normal video or sound playing.

Activating Smart screen

Customize your screen settings to make the screen more responsive and easier to use.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab.
2. Tap **Smart screen** and touch an option to activate it.
   - **Smart stay**: disables the screen timeout if your phone detects that your face is watching the screen.
   - **Smart rotation**: disables the auto screen rotation by checking the orientation of your face and the device.
   - **Smart pause**: pauses videos when your device detects that your head has moved away from the screen.

- **Smart scroll**: once your eyes are detected, the screen scrolls according to your device's tilt angle. Tap the adjacent field to the right of the Smart scroll field to activate the feature. Slide the Smart scroll slider right to turn it on. Tap smart scroll to determine how the device scrolls, the speel of scrolling in this mode, or displaying the visual feedback icon in smart scroll mode.
  - **Tilting head**: The device scrolls when you tilt your head.
  - **Tilting device**: The device scrolls when you tilt the device.
  - **Speed**: Select the speed of the scrolling when in Smart scroll mode.
  - **Visual Feedback display**: When enabled, displays the feedback icon while using Smart scroll.

Activating Touch Sensitivity

Increases the screen's sensitivity to touch while you are wearing gloves.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **Controls** tab.
2. Tap the **Increase touch sensitivity** check box to turn it on.
3. Slide a feature's activation slider to the On position for each gesture to activate:

Accounts

This menu allows you to set up, manage, and synchronize accounts, including Google and email accounts.

Adding an Account

1. From the Home screen, press **Menu** and then tap **Settings** ➔ General **General** tab ➔ **Accounts**.
2. Ttap **Add account** and select one of the account types.
3. Follow the prompts to enter credentials and set up the account.
4. A green circle displays next to the account type when the account is created and your email account displays in the Accounts section.

Removing an Account

1. From the Home screen, press **Menu** and then tap **Settings** ➔ General **General** tab ➔ **Accounts**.
2. Tap the name of the account to remove.
3. Tap the account entry.
4. Tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing Accounts

You can manually synchronize all accounts.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ General **General** tab ➔ **Accounts**.
2. Tap the account name to synchronize.
3. tap the account name entry.
4. Tap **Sync now** to synchronize your account or tap **Sync all** to synchronize all your accounts. Tap **Cancel sync** to stop the synchronization.

Creating a Samsung Account

An active Samsung account is required to begin using applications such as Samsung Hub.

Note: The Samsung account application manages your accessand passwords to these application types so you don't have to enter passwords each time you access the account.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ General **General** tab ➔ **Accounts**.
2. Tap **Add account** ➔ **Samsung account**.
3. Tap **Create new account** to create a Samsung account.

   – or –

   Tap **Sign in** if you created a Samsung account.
4. Follow the prompts.

Cloud

Use an external cloud storage solution to both synchronize this device to your Samsung account and then backup the content to the cloud.

This device comes Dropbox which is a built-in Cloud storage solution known.

Important! You must connect through an active Wi-Fi connection prior to use.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Cloud**.
2. Log in to your cloud storage solution.
3. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Cloud**.

   Your Samsung account should display at the top of the screen.
4. Tap **Sync settings**, and select the device parameters to synchronize, then tap **Sync now**. Choose from: Sync Calendar, Sync Contacts, Sync Internet bookmarks, Sync Internet opened pages, and Sync Memo.
5. Tap **Backup** or **Restore** to launch the feature.

- **Backup**: manually loads up the currently selected categories and backs up the data to your cloud storage location. Tap **Backup** to begin the manual backup process.
- **Restore**: allows you to retrieve previously backed up data from your Samsung account and then download it to your device.

Backup and reset

Location settings, backup configurations, or reset the phone to erase all personal data.

- From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Backup and reset**.

Mobile Backup and Restore

The device can be configured to back up your current settings, application data and settings.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Backup and reset**.
2. Tap **Back up my data** to create a backup of your current phone settings and applications.
3. Tap **Backup account** to assign the account being backed up.
4. Tap **Automatic restore** to assist in the re-installation of a previously installed application (including preferences and data).
5. Tap **Factory data reset** to reset your device and sound settings to the factory default settings.

Backing Up Before Factory Reset

Before you initiate a factory reset, you should backup all your personal data stored on your device such as contacts, media, bookmarks, and Google settings.

You can back up your contents to an SD card, or backup to a PC.

Export the Contacts list to your memory card

1. From the Home screen, tap **Contacts**.
2. Press **Menu** and then tap **Import/Export**.
3. Tap **Export to SD card** ➔ **OK**. The contacts are stored in a .vcf file on your memory card.

Back up media to your memory card

You can back up your pictures, videos, documents, and other media to your memory card.

1. From the Home screen, tap **Apps** ➔ **Samsung** ➔ **My Files**.
2. Select the folder that contains the files to backup to the memory card. File types include DCIM (camera pictures and video), Pictures, Music, Playlists, Downloads, and more.
3. Tap the files to copy. A checkmark indicates file selection.
4. Tap the options icon (top right corner of the screen) and select **Copy** ➔ **SD memory card**.
5. Navigate to the folder location in which to copy the files, then tap **Paste**.
   The files copy to the folder.

Factory Data Reset

Reset your device and sound settings to the factory default settings.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Backup and reset** ➔ **Factory data reset**.
2. Read the reset information.
3. Tap **Reset device**.
4. Enter your password and tap Delete all (if required). The device resets to the factory default settings and when finished displays the Home screen.

Date and time

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Date and time**.
2. Tap **Automatic date and time** to allow the network set the date and time.

Important! Deactivate **Automatic date and time** to manually set the rest of the options.

3. Use the plus or minus icons to set the **Month**, **Day**, and **Year** then tap **Set**.
4. Tap **Set time** and use the plus or minus icons to set the **Hour**, and **Minute**. Tap **PM** or **AM**, then tap **Set**.
5. Tap **Automatic time zone** to allow the network to automatically set the time zone information.
6. Tap **Select time zone**, then tap a time zone.
7. Tap **Use 24-hour format**.
   If not selected the device automatically uses a 12-hour format.
8. Tap **Select date format** and select the date format type.

Accessory

Select the Audio output mode when using a car or desk dock.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Accessory**.
2. Tap **Dock sound** to play sounds when inserting or removing the phone from the dock.
3. Tap **Audio output mode** to use the external dock speakers when the phone is docked.
4. Tap **Desk home screen display** if you wish to show the desk home screen when the device is docked.
5. Tap **Automatic unlock** if you are using an optional S View phone cover and you want your phone to automatically unlock when you open the cover.
6. Tap **S View window color** to set the window color when you are using the optional S View protective cover.
7. Tap **Select info shown cover** to select the information that you want displayed when you are using the optional S View protective cover.
8. Tap **Audio output** to set your Audio output to Stereo or Surround.

Application manager

You can use this device for Android development. This feature allows you to configure the device for development.

Warning! Because the device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

This menu allows you to manage installed applications. You can view and control currently running services, or use the device for application development.

You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your phone and clear the data, cache, or defaults.

- From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager** ➔ **All**.

Clearing Application Cache and Data

Important! You must have downloaded applications installed to use this feature.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager**.
2. Tap an application in which to clear the cache or data.
3. Tap **Force stop**, **Uninstall, Clear data**, **Clear cache**, or **Clear defaults**.

Uninstalling Third-party Applications

Important! You must have downloaded applications installed to use this feature.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager**.
2. Tap the **DOWNLOADED** tab and select the application to uninstall.
3. Tap **Uninstall**.
4. At the prompt, tap **OK** to uninstall the application.

5. Select a reason for uninstalling the application, then tap **OK**.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager**.
2. Tap **DOWNLOADED**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager**.
2. Tap the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, press and select **Sort by size** or **Sort by name**.
4. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

The Running services option allows you to view and control currently running services such as Backup, Google Hangouts, SNS (messaging), Swype, and more.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager**.
2. Tap the **RUNNING** tab to view all currently active and running applications. This tab also shows the total RAM being used by these currently active applications.

3. Tap a process and select **Stop** to end the process and stop it from running. When you stop the process the service or application will no longer run until you start the process or application again.
4. Tap **Show cached processes** to view additional cached applications.

Important! Stopping a process might have undesirable consequences on the application.

Storage Used

This option allows you to view a list (on the current tab) of current applications as sorted by size.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager**.
2. Tap the **ALL** tab to display all available applications.
3. Press **Menu** and then tap **Sort by size** to change the current list to show items based on the amount of storage they occupy.

Reset App Preferences

This feature provides you with the ability to reset all preferences for the following features: Disabled apps, Disabled app notifications, Default applications for actions, and Background data restrictions.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Application manager**.
2. Tap the **ALL** tab to display all available applications.
3. Press **Menu** and then tap **Reset app preferences** ➔ **Reset apps**.

Battery Usage

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Battery**.
   The battery level displays in percentage.
2. Tap (**Refresh**) to update the list.
   – or –
   Tap an entry to view more detailed information.

Note: Other applications may be running that affect battery use.

Power saving mode

This feature allows you both automatically set the phone to use a power saving mode and configure additional power saving options manually, to conserve battery power.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Power saving mode**.
2. Touch and slide the **Power saving mode** ON slider to the right to turn it on.
3. Tap these options to conserve power:
   - **CPU power saving**: allows you to limit the maximum performance of the CPU.
   - **Screen power saving**: allows you to lower the screen power level.
   - **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.
4. Tap **Learn about Power saving** to learn about various ways to conserve battery power.

Device Storage

From this menu you can view the memory allocation for the memory card as well as mount or unmount the SD card.

- microSD memory cards include capacities of up to 4GB.
- microSDHC™ memory card types can range from 4GB to up to 32GB.
- microSDXC™ memory card types can include capacities greater than 32GB.

View memory allocation on the memory card

- From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Storage**.
  The available memory displays under the Total space and SD card headings.

Caution! DO NOT remove a microSD card while the device is accessing or transferring files. Doing so will result in loss or damage of data. Make sure your battery is fully charged before using the microSD card. Your data may become damaged or lost if the battery runs out while you are using the microSD card.

Mounting the SD Card

To store photos, music, videos, and other applications. You must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Storage**.
2. Tap **Mount SD card**.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Storage**.
2. Tap **Unmount SD card** ➔ **OK**.
3. After the "**SD card will be unmounted**" message displays and the **Mount SD card** now appears in the menu list, remove the SD card.

Erasing Files from the SD card

1. Ensure the SD card is mounted.
2. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Storage**. ➔ **Mount SD card**.
3. Tap **Format SD card** ➔ **Format SD card** ➔ **Delete all** to format the SD card. The SD card formats and erases all the data stored on it.

Security

Configure the security level for your device.

Encrypt Device

When enabled, this feature requires a numeric PIN or password to decrypt your device each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the Home screen, press Menu and then tap **Settings** ➔ **General** tab ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.
3. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Setting up SIM Card Lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, press Menu and then tap **Settings** ➔ **General** tab ➔ **Security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

Changing the SIM Card PIN

1. Tap **Change SIM PIN**.
2. Enter the old SIM PIN code and tap **OK**.
3. Enter the new SIM PIN code and tap **OK**.
4. Re-type the new SIM PIN code and tap **OK**.

Password Settings

When you create a phone password you can also configure the phone to display the password as you type it instead of using an asterisk (*).

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Security**.
2. Tap **Make passwords visible** to activate this feature.

Device Administration

Activating this feature allows Google to administrate your phone in a way similar to IT security settings on a corporate PC. This would be beneficial in the case that your phone was lost or stolen. The phone could be “deactivated” or “restricted” (through administration) from a remote location.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Security**.
2. Tap **Device administrators** to begin configuring this setting.
3. Select an administrator device and follow the prompts.

Unknown Sources

Before you can download a web application you must enable the Unknown sources feature (enables downloading). Developers can use this option to install non-Play Store applications.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Security**.
2. Tap **Unknown sources** to active this feature.

Verify Apps

Allows you to block or warn yourself before installing apps that can cause harm.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Security**.
2. Tap **Verify apps** to active this feature.

Note: Enabling this feature can prevent installation of some applications from the Play Store.

Credential Storage

This option allows certain applications to access secure certificates and other credentials. Certificates and credentials can be installed to the SD card and password protected.

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **Security**.
2. Tap **Trusted credentials** to display only trusted CA certificates. A check mark displayed next to the feature indicates secure credentials.
3. Tap **Install from device storage** to install encrypted certificates from the USB Storage location.
4. Tap **Clear credentials** to clear the device (SD card or phone memory) of all certificate contents and reset the credentials password.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernel version, and software build number.

Accessing phone information

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **About device**.
   - **Software update**: allows you to connect to the network and upload any new phone software directly to your device. The device automatically updates with the latest available software when you access this option.
   - **Updates for preloaded apps**: allows you to configure the parameters for updating preloaded apps.
   - **Status**: displays the Battery status, Battery level (as a percentage), Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, My phone number, IMEI, IMEISV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

- **Legal information**: This option displays information about Open source licences, Google legal information, as well as Samsung legal. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference.
  Read the information and terms, then press ⮌ to return to the Settings menu.
- **Device name**: allows you to both display and edit the device's name.
- **Model number**: displays the device's model number.
- **Android version**: displays the firmware version loaded on this device.
- **Baseband version**: displays the baseband version loaded on this device.
- **Kernel version**: displays the kernel version loaded on this device.
- **Build number**: displays the software, build number.

Note: Firmware, baseband, kernel and build numbers are usually used for updates to the handset or support. For additional information please contact your T-Mobile service representative.

- **SELinux status**: displays the status of SELinux. SELinux is a set of security policies/modules which is applied to the device to improve the overall security.

Software Update

The Software Update feature enables you to use your device to connect to the network and upload any new software directly to your device. The device automatically updates with the latest available software when you access this option.

The following icons show your Bluetooth connection status at a glance:

Displays when the Software updated feature is active.

Displays when the Software update feature is in progress.

Updating the Device Software

1. From the Home screen, press **Menu** and then tap **Settings** ➔ **General** tab ➔ **About device** ➔ **Software update**.
2. Read the Software update information screen.
3. Select an available option:

Note: You configure the device's software update parameters.

- **Cancel**: Tap this option to cancel the operation.
- **Wi-Fi settings**: Enable this option to only download available updates via an active Wi-Fi connection. If disabled, the device will begin available downloads via its' T-Mobile connection.
- **OK**: Tap this option to connect to the remote server, detect if there is an available update, the begin the download over your existing data connection.
  - Software updates can include bug fixes, enhancements to services, to the device or currently installed software.

This device is capable of operating in Wi-Fi™ mode in the 2.4 and 5 GHz bands. The FCC requires that devices operating within 5.15-5.25 GHz may only be used indoors, not outside, in order to avoid interference with Mobile Satellite Services (MSS). Therefore, this device is restricted from being used outdoors when operating in frequencies between 5.15-5.25 GHz.

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a

slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/.

- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This device has a FCC ID number: A3LSMN900R4 [Model Number: SM-N900R4] and the specific SAR levels for this device can be found at the following FCC website:
http://www.fcc.gov/oet/ea/.

The SAR information for this device can also be found on Samsung's website:
http://www.samsung.com/sar.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional

SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp

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Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://fun.samsungmobileusa.com/recycling/index.jsp.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to

make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, touch **Phone**.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Press the **Send** key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution. If the mobile device has a retractable camera lens, do not use soap and water to clean the lens. Use a blower or brush or lens cleaning paper dampened in a lens cleaning solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential

hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

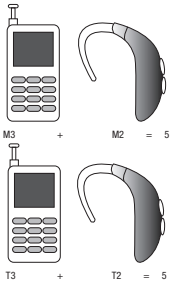
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated.

Cautions

Any changes or modifications to your mobile device not expressly approved by Samsung could void your warranty for this equipment and void your authority to operate this

equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.

- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 10: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Device	1 Year
Battery(ies)*	1 Year
Case/Pouch/Holster*	90 Days
Other Device Accessories*	1 Year

*If applicable.

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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With the "Automatic Update" function enabled (as in the default setting in the System Update menu or Security menu in the Setting), your device downloads some Updates automatically from time to time. Given the importance of receiving Updates for security software in a timely manner to defend against new threats, such Update may be automatically downloaded and installed. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the "Wi-Fi Only" option in the Setting.

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(b) United States residents. ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS EULA OR YOUR USE OF THE SOFTWARE SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with any other person's or entity's claim or dispute, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class

action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the EULA and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the EULA. For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant Samsung its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and Samsung shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. This arbitration provision also applies to claims against Samsung's employees, representatives and affiliates if any such claim arises from the licensing or use of the Software. You may opt out of this dispute resolution procedure by providing notice to Samsung no later than 30 calendar days from the date of the first consumer purchaser's purchase of this device. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the device was purchased; (c) the device model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the device box; (ii) on the device information screen, which can be found under "Settings;" (iii) on a label on the back of the device beneath the battery, if the battery is removable; and (iv) on the outside of the device if the battery is not

removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the device and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect your use of the device or its preloaded Software, and you will continue to enjoy the benefits of this license.

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